

Qy	1261	ACCATCCAGCGGACCTCAGCACCAACACCACCTACCAGGGCAGTCTGTCCCCGG	1320
Db	1261	ACCATCCAGCCAGACCTCAGCACCAACCTACCACCTACCAGGGCAGTCTATGTTGAGG	1320
Qy	1321	CAGGATGGGCCAGCCCCAAGTCCAGCTACCAATGGCACCTGCTCAGCCCCCTGGGT	1380
Db	1321	CAGGATGGACCCAGCCCCAAGTCCAGCTCTATAGGCACCTGCTCAGCCACTGGGG	1380
Qy	1381	GGCGGCCGCCACACACTGCACCACAGCTCTCCCACCTTGAGGCCGAGGAGTCGTCTCC	1440
Db	1381	AGTGGCCGCCATACGTTGCACCACAGCTCACCCACCTTGAGGCTGAGGACTTCGTCTCC	1440
Qy	1441	CGCCTCTCCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGAACATGACCTAT	1500
Db	1441	CGCCTCTCCACCCAAAACACTTTCGTTCCCTGCCCGCGCACAGAACATGGCCTAC	1500
Qy	1501	GGGACCTTCAACTTCTCGGGGCCGGCTGATGATCCCTAATACAGGTATCAGCCTCCTC	1560
Db	1501	GGGACCTTCAACTTCTCGGGGCCGGCTGATGATCCCTAATACGGGATCAGCCTCCTC	1560
Qy	1561	ATCCCCCAGATGCCATACCCGAGGGAAGATCTATGAGATCTACCTCACGCTGCACAAG	1620
Db	1561	ATACCCCCGGATGCCATCCCCGAGGAAAGATCTACGAGATCTACCTCACACTGCACAAG	1620
Qy	1621	CCGGAAGACGTGAGGTTGCCCTAGCTGGCTGTCAAGACCTGCTGAGTCCCATCGTTAGC	1680
Db	1621	CCAGAAGACGTGAGGTTGCCCTAGCTGGCTGTCAAGACCTGCTGAGTCCAGTCGTTAGC	1680
Qy	1681	TGTGGACCCCTGGCGTCTGCTCACCCGCCAGTCATCCTGGCTATGGACCACTGTGGG	1740
Db	1681	TGTGGCCCCCAGGAGTCCTGCTCACCCGCCAGTCATCCTGCAATGGACCACTGTGGA	1740
Qy	1741	GAGCCCAGCCCTGACAGCTGGAGCCTGCCCTCAAAAGCAGTCGTGCGAGGGCAGCTGG	1800
Db	1741	GAGCCCAGCCCTGACAGCTGGAGTCCTGCCCTCAAAAGCAGTCCTGCGAGGGCAGTTGG	1800
Qy	1801	GAGGATGTGCTGCACCTGGCGAGGAGGCCCTCCACCTCTACTACTGCCAGCTGGAG	1860
Db	1801	GAGGATGTGCTGCACCTTGGTGAGGAGTCACCTCCCACCTCTACTACTGCCAGCTGGAG	1860
Qy	1861	GCCAGTGCCTGCTACGTCTCACCGAGCAGCTGGGCCGTTGCCCTGGGGAGAGGCC	1920
Db	1861	GCCGGGGCCTGCTATGTCTCACGGAGCAGCTGGGCCGTTGCCCTGGTAGGAGAGGCC	1920
Qy	1921	CTCAGCGTGGCTGCCCCAAGGCCCTAACAGCTGCTTGTGCGCCGGTGGCCTGCACC	1980
Db	1921	CTCAGCGTGGCTGCCACCAAGGCCCTCAGGCTCCTCTGTTGCTCCGTGGCCTGTACG	1980
Qy	1981	TCCCTCGAGTACAACATCCGGTCTACTGCCCTGCATGACACCCACGATGCACTCAAGGAG	2040
Db	1981	TCCCTTGAGTACAACATCCGAGTGTACTGCCCTACAGCACCCACGACGCTCTCAAGGAG	2040
Qy	2041	GTGGTGCAGCTGGAGAAGCAGCTGGGGGACAGCTGATCCAGGAGCCACGGGTCTGCAC	2100
Db	2041	GTGGTGCAGCTGGAGAAGCAGCTAGGTGGACAGCTGATCCAGGAGCCTCGCGTCTGCAC	2100
Qy	2101	TTCAAGGACAGTTACCACAAACCTGCGCTATCCATCCACGATGTGCCAGCTCCGTG	2160

Db	2101	 TTCAAAGACAGTTACCACAACCTACGTCTCCATCCACGACGTGCCAGCTCCGTGG 2160
Qy	2161	AAGAGTAAGCTCCITGTCAGCTACCAGGAGATCCCTTTATCACATCTGGAATGGCAGC 2220
Db	2161	AAGAGCAAGCTACTTGTCACTACCAGGAGATCCCTTTACCACATCTGGAACGGCACC 2220
Qy	2221	CAGCGGTACTTGCACCTTCACCCGGAGCGTGCAGCCCCAGCACTAGTGACCTG 2280
Db	2221	CAGCAGTATCTGCACCTTCACCCGGAGCGCATAACGCCAGCACCAGCGACCTG 2280
Qy	2281	GCCTGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGCAGAGCTTCAGCATCAACTTC 2340
Db	2281	GCCTGCAAGGTGTGGGTGTGGCAGGTGGAGGGAGATGGCAGAGCTTCAACATCAACTTC 2340
Qy	2341	AACATCACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGTC 2400
Db	2341	AACATCACTAAGGACACAAGGTTGCTGAATTGTTGGCTCTGGAGAGTGAAGGGGGGTC 2400
Qy	2401	CCAGCCCTGGTGGGCCAGTGCCTTCAAGATCCCCTCCTCATTGGCAGAAGATAATT 2460
Db	2401	CCAGCCCTGGTGGGCCAGTGCCTTCAAGATCCCCTCCTCATTGGCAGAAGATAATT 2460
Qy	2461	TCCAGCCTGGACCCACCCGTAGGCGGGGTGCCGACTGGCGGACTCTGGCCCAGAAACTC 2520
Db	2461	GCCAGTCTGGACCCACCCCTGCAGCCGGGGCGCGACTGGAGAACTCTAGCCCAGAAACTT 2520
Qy	2521	CACCTGGACAGCCATCTCAGCTTCTTGCCCTCAAGCCAGCCCCACAGCCATGATCCTC 2580
Db	2521	CACCTGGACAGCCATCTTAGCTTGCCTCAAGCCAGCCCTACAGCCATGATCCTC 2580
Qy	2581	AACCTGTGGAGGCGCGGACTTCCCCAACGGCAACCTCAGCCAGCTGGCTGCAGCAGTG 2640
Db	2581	AACCTATGGGAGGCACGGCACTTCCCCAACGGCAACCTCGGCCAGCTGGCAGCAGCTGTG 2640
Qy	2641	GCTGGACTGGGCCAGCCAGACGCTGGCTTTCACAGTGTGGAGGCTGAGTGCTGA 2697
Db	2641	GCCGGACTGGCCAACCAGATGCTGGCTTTCACGGTGTGGAGGCCAGGTGTTGA 2697

RESULT 2

US-09-306-902A-1

; Sequence 1, Application US/09306902A

; Patent No. 6277585

; GENERAL INFORMATION:

; APPLICANT: Tessier-Lavigne, Marc
; Leonardo, E. David
; Hink, Lindsay
; Masu, Masayuki
; Kazuko, Keino-Masu

; TITLE OF INVENTION: Netrin Receptors

; NUMBER OF SEQUENCES: 9

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA

;
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/306,902A
; FILING DATE: 07-May-1999
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: UC96-217
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3014 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-306-902A-1

Query Match 83.5%; Score 2252.2; DB 3; Length 3014;
Best Local Similarity 89.78; Pred. No. 0;
Matches 2419; Conservative 0; Mismatches 278; Indels 0; Gaps 0;

Qy 1 ATGGCCGTCCGGCCCCGGCTGTGCCAGCGCTCCTGGCATAGTCCTGCCGTTGGCTC 60
Db |||||||
Qy 61 CGCGGCTCGGGTGCCAGCAGAGTGCACCGTGGCAACCCAGTGCCTGGTGCACCCG 120
Db 61 CGTGGTTGGGTGCCAGCAGAGTGCACCGTGGCAATCCAGTGCCCGGTGCCACCC 120
Qy 121 GACCTGCTCCCCACTTCCTGGTGGAGCCCGAGGAATGTGTACATCGTAAGAACAGCCA 180
Db 121 GACCTGCTGCCCACTTCCTGGTAGAGCCTGAGGACGTGTACATTGTCAAGAACAGCCA 180
Qy 181 GTGCTGCTGTGTCAAGGCCGTGCCGCACGCAGATCTCTCAAGTGCACGGGAG 240
Db 181 GTGTTGGTGTGCAAGGCTGTGCCACCCAGATCTCTCAAGTGCACGGGAA 240
Qy 241 TGGGTGCCAGGTGGACCACGTGATCGAGCGCAGCACAGACGGAGCAGTGGCTGCC 300
Db 241 TGGGTGCCAGGTGATCACGTAATTGAACGCAGCACCGACAGCAGCAGCGGATTGCCA 300
Qy 301 ACCATGGAGGTCCGCATTAATGTCTCAAGGCAGCAGGTCGAGAAGGTGTCGGCTGGAG 360
Db 301 ACCATGGAGGTCCGTATCAACGTATCGAGGCAGCAGGTAGAGAAAGTGTGGCTGGAG 360
Qy 361 GAATACTGGTGCCAGTGCCTGGCATGGAGCTCCTCGGGCACCACCAAGAGTCAGAAGGCC 420

Db	361	GAATACTGGTGCCAGTGTGTGGCATGGAGCTCCTCGGGTACCAACAAAGTCAGAAGGCC	420
Qy	421	TACATCCGCATAGCCAGATTGCGCAAGAACCTTCGAGCAGGAGCCGCTGGCAAGGAGGTG	480
Db	421	TACATCCGGATTGCCTATTGCGCAAGAACCTTGAGCAGGAGCCACTGGCAAGGAAGTG	480
Qy	481	TCCCTGGAGCAGGGCATCGTGTGCCCTGCCGTCCACCGGAGGGCATCCCTCCAGCCGAG	540
Db	481	TCACTGGAGCAAGGCATTGTACTACCTGTGCCCCCCCAGAAGGAATCCCCCAGCTGAG	540
Qy	541	GTGGAGTGGCTCCGAACGAGGACCTGGTGGACCCGTCCTGGACCCCAATGTATACATC	600
Db	541	GTGGAGTGGCTTCGAAATGAGGACCTCGTGGACCCCTCCCTCGATCCCAATGTGTACATC	600
Qy	601	ACGCGGGAGCACAGCCTGGTGGTGCACAGGCCCTTGCTGACACGGCCAACTAACACC	660
Db	601	ACGCGGGAGCACAGCCTAGTCGTGCGTCAGGCCCGCTGGCGACACGGCCAACTAACACC	660
Qy	661	TGCGTGGCCAAGAACATCGTGGCACGTGCCGCAGGCCCTCCGCTGCTGTATCGTCTAC	720
Db	661	TGTGTGGCCAAGAACATCGTAGCCGTGCCGAAGCACCTCTGCAGCGGTATTGTTAT	720
Qy	721	GTGAACGGTGGTGGTCGACGTGGACCAGTGGTCCGTCTGCAGGCCAGCTGTGGCGC	780
Db	721	GTGAACGGTGGTGGTCGACGTGGACTGAGTGGTCCGTCTGCAGGCCAGCTGTGGCGT	780
Qy	781	GGCTGGCAGAAACGGAGCCGGAGCTGCACCAACCCGGCGCCTCTCAACGGGGCGCTTC	840
Db	781	GGCTGGCAGAAACGGAGCCGGAGCTGCACCAACCCGGCACCTCTCAACGGGGCGCTTC	840
Qy	841	TGTGAGGGCAGAACATGTCCAGAAAACAGCCTGCCACCCCTGTGCCAGTAGACGGCAGC	900
Db	841	TGTGAGGGCAGAACATGTCCAGAAAACAGCCTGCCACCTGTGCCAGTAGGGATGGGAGC	900
Qy	901	TGGAGCCCCTGGAGCAAGTGGTCGGCTGTGGCTGGACTGCACCCACTGGCGGAGCCGT	960
Db	901	TGGAGTCGTGGAGTAAGTGGTCAGCCTGTGGCTTGACTGCACCCACTGGCGGAGCCGC	960
Qy	961	GAGTGCTCTGACCCAGCACCCCGCAACGGAGGGAGGAGTGCAGGGACTGACCTGGAC	1020
Db	961	GAGTGCTCTGACCCAGCACCCCGCAATGGAGGTGAGGAGTGTGGGGTGTGACCTGGAC	1020
Qy	1021	ACCCGCAACTGTACCAAGTGCACCTCTGTGTACACAGTGTCTGGCCCTGAGGACGTGGCC	1080
Db	1021	ACCCGCAACTGTACCAAGTGCACCTCTGCCTGCACACCGCTTGTGCCCCAGGACGTGGCT	1080
Qy	1081	CTCTATGTGGCCTCATGCCGTGGCGTCTGCCCTGGTCTGCTGCTGCTTGTCTCATC	1140
Db	1081	CTCTACATCGGCCTTGTGCGTGTGGCTGTGCTGCTTGTGCTGGCCCTTGGGA	1140
Qy	1141	CTCGTTATTGCCGAAAGAAGGAGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTC	1200
Db	1141	CTCATTACTGTGCGCAAGAAGGAAGGGCTGGACTCCGATGTGGCCGACTCGTCCATTCTC	1200
Qy	1201	ACCTCAGGCTTCCAGCCGTCAGCATCAAGCCCAGCAAAGCAGACAACCCCCATCTGCTC	1260

Db	1201	ACCTCGGGCTTCCAGCCTGTCAGCATCAAGCCCAGCAAAGCAGACAACCCCCACCTGCTC	1260
Qy	1261	ACCATCCAGCCGGACCTCAGCACCAACCACCACTACCAGGGCAGTCTGTCCCCGG	1320
Db	1261		
Db	1261	ACCATCCAGCCAGACCTCAGCACCAACCACCACTACCACCTACCAGGGCAGTCTATGTTCGAGG	1320
Qy	1321	CAGGATGGGCCAGCCCCAAGTCCAGCTACCAATGGCACCTGCTCAGCCCCCTGGGT	1380
Db	1321		
Db	1321	CAGGATGGACCCAGCCCCAAGTCCAGCTCTCTAAATGGCACCTGCTCAGCCCACTGGGG	1380
Qy	1381	GGCGGCCGCCACACACTGCACCAACAGCTCTCCCACCTCTGAGGGCGAGGAGTTCGTCTCC	1440
Db	1381		
Db	1381	AGTGGCCGCCATACGTTGCACCACTACAGCTACCCACCTCTGAGGCTGAGGACTTCGTCTCC	1440
Qy	1441	CGCCTCTCACCACAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGAACATGACCTAT	1500
Db	1441		
Db	1441	CGCCTCTCACCACAAACTACTTCCGTTCCCTGCCCGCGCACAGAACATGGCCTAC	1500
Qy	1501	GGGACCTTCAACTTCCCTGGGGCCGGCTGATGATCCCTAACAGGTATCAGCCTCCTC	1560
Db	1501		
Db	1501	GGGACCTTCAACTTCCCTGGGGCCGGCTGATGATCCCTAACACGGGATCAGCCTCCTC	1560
Qy	1561	ATCCCCCCCAGATGCCATACCCCGAGGGAAGATCTATGAGATCTACCTCACGCTGCACAAG	1620
Db	1561		
Db	1561	ATACCCCCGGATGCCATCCCCCGAGGAAAGATCTACGAGATCTACCTCACACTGCACAAG	1620
Qy	1621	CCGGAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCCATCGTTAGC	1680
Db	1621		
Db	1621	CCAGAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCAGTCGTTAGC	1680
Qy	1681	TGTGGACCCCTGGCGTCTGCTCACCGGCCAGTCATCCTGGCTATGGACCACTGTGGG	1740
Db	1681		
Db	1681	TGTGGGCCCCCAGGAGTCCTGCTCACCGGCCAGTCATCCTTGAATGGACCACTGTGGA	1740
Qy	1741	GAGCCCAGCCCTGACAGCTGGAGCCTGCGCTCAAAAAGCAGTCGTGCGAGGGCAGCTGG	1800
Db	1741		
Db	1741	GAGCCCAGCCCTGACAGCTGGAGTCTGCGCTCAAAAAGCAGTCCTGCGAGGGCAGTTGG	1800
Qy	1801	GAGGATGTGCTGCACCTGGCGAGGAGGCGCCCTCCACCTCTACTACTGCCAGCTGGAG	1860
Db	1801		
Db	1801	GAGGATGTGCTGCACCTGGTGAGGAGTCACCTCCCACCTCTACTACTGCCAGCTGGAG	1860
Qy	1861	GCCAGTGCCTGCTACGTCTTCACCGAGCAGCTGGGCCGTTGCCCTGGGGAGAGGCC	1920
Db	1861		
Db	1861	GCCGGGGCCTGCTATGTCTCACGGAGCAGCTGGGCCGTTGCCCTGGTAGGAGAGGCC	1920
Qy	1921	CTCAGCGTGGCTGCCGCCAGCGCCTCAAGCTGCTTGTGCGCCGGTGGCCTGCACC	1980
Db	1921		
Db	1921	CTCAGCGTGGCTGCCACCAAGCGCCTCAGGCTCCTCTGTTGCTCCGTGGCCTGTACG	1980
Qy	1981	TCCCTCGAGTACAACATCCGGGTACTGCCTGCATGACACCCACGATGCACTCAAGGAG	2040
Db	1981		
Db	1981	TCCCTTGAGTACAACATCCGAGTGTACTGCCTACACGACACCCACGACGCTCTCAAGGAG	2040
Qy	2041	GTGGTGCAGCTGGAGAAGCAGCTGGGGGACAGCTGATCCAGGAGCCACGGGTCTGCAC	2100
Db	2041		
Db	2041	GTGGTGCAGCTGGAGAAGCAGCTAGGTGGACAGCTGATCCAGGAGCCTCGCGTCTGCAC	2100

QY	2101	TTCAAGGACAGTTACCACAACCTGCGCCTATCCATCCACGATGTGCCAGCTCCCTGTGG	2160
Db	2101	TTCAAAGACAGTTACCACAACCTACGTCTCCATCCACGACGTGCCAGCTCCCTGTGG	2160
QY	2161	AAGAGTAAGCTCCTTGTCACTACAGGAGATCCCCTTTATCACATCTGGAATGGCACG	2220
Db	2161	AAGAGCAAGCTACTTGTCACTACAGGAGATCCCCTTTACCACATCTGGAACGGCAC	2220
QY	2221	CAGCGGTACTTGCACCTTCACCCCTGGAGCGTGTCAAGCCCCAGCACTAGTGACCTG	2280
Db	2221	CAGCAGTATCTGCACCTTCACCCCTGGAGCGCATCACGCCAGCACAGCACCTG	2280
QY	2281	GCCTGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGCAGAGCTTCAGCATCAACTTC	2340
Db	2281	GCCTGCAAGGTGTGGGTGTGGCAGGTGGAGGGAGATGGCAGAGCTTCAACATCAACTTC	2340
QY	2341	AACATCACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGTC	2400
Db	2341	AACATCACTAAGGACACAAGGTTGCTGAATTGTTGGCTCTGGAGAGTGAAGGGGGGTC	2400
QY	2401	CCAGCCCTGGTGGGCCAGTGCCTCAAGATCCCCTCCTCATTGGCAGAAGATAATT	2460
Db	2401	CCAGCCCTGGTGGGCCAGTGCCTCAAGATCCCCTCCTCATTGGCAAAAGATCATC	2460
QY	2461	TCCAGCCTGGACCCACCCCTGTAGGCGGGGTGCCGACTGGCGGACTCTGGCCCAGAAACTC	2520
Db	2461	GCCAGTCTGGACCCACCCCTGCAGCCGGGGCGCGACTGGAGAACTCTAGCCCAGAAACTT	2520
QY	2521	CACCTGGACAGCCATCTCAGCTTGCCTCCAAGCCCAGCCCCACAGCCATGATCCTC	2580
Db	2521	CACCTGGACAGCCATCTAGCTTGCCTCCAAGCCCAGCCCTACAGCCATGATCCTC	2580
QY	2581	AACCTGTGGAGGC CGGC ACTTCCC AACGG CAACCT CAGCC AGCTGG CTG CAGC AGTG	2640
Db	2581	AACCTATGGGAGGCACGGCACTTCCC AACGG CAACCT CGGC AGCTGG CAGCAGCTGTG	2640
QY	2641	GCTGGACTGGGCCAGCCAGACGCTGGCCTTCACAGTGT CGGAGGCTGAGTGCTGA	2697
Db	2641	GCCGGACTGGGCCAACAGATGCTGGCCTTCACGGTGT CGGAGGCCAGTGTTGA	2697

RESULT 3

US-08-808-982-2

; Sequence 2, Application US/08808982

; Patent No. 5939271

; GENERAL INFORMATION:

; APPLICANT: Tessier-Lavigne, Marc

; APPLICANT: Leonardo, E. David

; APPLICANT: Hink, Lindsay

; APPLICANT: Masu, Masayuki

; APPLICANT: Kazuko, Keino-Masu

; TITLE OF INVENTION: Netrin Receptors

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP

; STREET: 268 BUSH STREET, SUITE 3200

;
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/808,982
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: UC96-217
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1787 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA

US-08-808-982-2

Query Match 57.6%; Score 1552.4; DB 2; Length 1787;
Best Local Similarity 98.5%; Pred. No. 0;
Matches 1651; Conservative 0; Mismatches 16; Indels 9; Gaps 8;

Qy 1025 GCAACTGTACCAAGTGACCTCTGTGTACACAGTGCTTCTGGCCCTGAGGACGTGGCCCTCT 1084
Db 1 GCAACTGTACCAAGTGACCTCTG-GTACACACTGCTTCTGGCCCTGAGGACGTGGCCCTCT 59

Qy 1085 ATGTGGGCCTCATGCCGTGGCGTCTGCCTGGTCCTGCTGCTGCTTGTCCCTCATCCTCG 1144
Db 60 ATGTGGGCCTCATGCCGTGGCGTCTGCCTGGTCCTGCTGCTGCTTGTCCCTCATCCTCG 119

Qy 1145 TTTATTGCCCGAAGAAGGAGGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTCACCT 1204
Db 120 TTTATTGCCCGAAGAAGGAGGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTCACCT 179

Qy 1205 CAGGCTTCCAGCCCGTCAGCATC-AAGCCCAGCAAAGCAGACAACCCCCATCTGCTCACC 1263
Db 180 CAGGCTTCCAGCCCGTCAGCATCTAACGCCAGCAAAGCAGACAACCCCCATCTGCTCACC 239

Qy 1264 ATCCAGCCGGACCTCAGCACCAACCACCACTACCAGGGCAGTCTCTGTCCCCGGCAG 1323
Db 240 ATCCAGCCGGACCTCAGCACCAACCACCACTACCAGGGCAGTCTCTGTCCCCGGCAG 299

Qy 1324 GATGGGCCAGCCCCAAGTTCCAGCTACCAATGGGCACCTGCTCAGCCCCCTGGGTGGC 1383
Db 300 GATGGGCCAGCCCCAAGTTCCAGCTACCAATGGGCACCTGCTCAGCCCCCTGGGTGGC 359

Qy	1384	GGCCGCCACACACTGCACCACAGCTCTCCACCTCTGAGGCCGAGGAGTTCGTCTCCGC 1443
Db	360	GGCCGCCACACACTGCACCACAGCTCTCCACCTCTGAGGCCGAGGAGTTCGTCTCCGC 419
Qy	1444	CTCTCCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGCAACATGACCTATGGG 1503
Db	420	CTCTCCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGCAACATGACCTATGGG 479
Qy	1504	ACCTTCAACTTCCTGGGGGCCGGCTGATGATCCCTAATACAGGTATCAGCCTCCTCATC 1563
Db	480	ACCTTCAACTTCCTGGGGGCCGGCTGATGATCCCTAATACAGGAATCAGCCTCCTCATC 539
Qy	1564	CCCCCAGATGCCATAACCCCGAGGGAAAGATCTATGAGATCTACCTCACGCTGCACAAGCCG 1623
Db	540	CCCCCAGATGCCATAACCCCGAGGGAAAGATCTATGAGATCTACCTCACGCTGCACAAGCCG 599
Qy	1624	GAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCCATCGTTAGCTGT 1683
Db	600	GAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCCATCGTTAGCTGT 659
Qy	1684	GGACCCCCCTGGCGTCTGCTCACCCGGCCAGTCATCCTGGCTATGGACCACTGTGGGAG 1743
Db	660	GGACCCCCCTGGCGTCTGCTCACCCGGCCAGTCATCCTGGCTATGGACCACTGTGGGAG 719
Qy	1744	CCCAGCCCTGACAGCTGGAGCCTGCGCCTCAAAAGCAGTCGTGCGAGGGCAGCTGGGAG 1803
Db	720	CCCAGCCCTGACAGCTGGAGCCTGGCCCTCAAAAGCAGTCGTGCGAGGG-AGCTGGGAG 778
Qy	1804	GATGTGCTGCACCTGGCGAGGAGGCGCCCTCCCACCTCTACTACTGCCAGCTGGAGGCC 1863
Db	779	GATGT-CTGCACCTGGCGAGGAGGCGCCCTCCCACCTCTACTACTGCCAGCTGGAGGCC 837
Qy	1864	AGTGCCTGCTACGTCTCACCGAGCAGCTGGCCGCTTGCCCTGGTGGAGAGGCCCTC 1923
Db	838	AGTGCCTGCTACGTCTCACCGAGCAGCTGGCCGCTTGCCCTGGTGGAGAGGCCCTC 897
Qy	1924	AGCGTGGCTGCCGCCAACGCCTCAAGCTGCTTGTGCGCCGGTGGCCTGCACCTCC 1983
Db	898	AGCGTGGCTGCCGCCAACGCCTCAAGCTGCTTGTGCGCCGGTGGCCTGCACCTCC 957
Qy	1984	CTCGAGTACAACATCCGGGTCTACTGCCTGCATGACACCCACGATGCACTCAAGGAGGTG 2043
Db	958	CTCGAGTACAACATCCGGGTCTACTGCCTGCATGACACCCACGATGCACTCAAGGAGGTG 1017
Qy	2044	GTGCAGCTGGAGAACGCAGCTGGGGGACAGCTGATCCAGGAGCCACGGGTCTGCACCTC 2103
Db	1018	GTGCAGCTGGAGAACGCAGCTGGGGGACAGCTGATCCAGGAGCCACGGGTCTGCACCT- 1076
Qy	2104	AAGGACAGTTACCACAAACCTGCCCTATCCATCCACGATGTGCCAGCTCCCTGTGGAAG 2163
Db	1077	AAGGACAGTTACCACAAACCT--GCCCTATCATCCACGATGTGCCAGCTCCCTGTGGAAG 1134
Qy	2164	AGTAAGCTCCTGTCACTACCAAGGAGATCCCTTTATCACATCTGGAATGGCACGCAG 2223
Db	1135	AGTAAGCTCCTGTCACTACCAAGGAGATCCCTTTATCACATCTGGAATGGCACGCAG 1194
Qy	2224	CGGTACTTGCACCTCACCTGGAGCGTGTAGCCCCAGCACTAGTGACCTGGCC 2283

Db	1195	CGGTACTTGCACCTCACCCCTGGAGCGTGTCAAGCCCCAGCACTAGTGACCTGGCC	1254
Qy	2284	TGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGAGAGCTTCAGCATCAACTAAC	2343
Db	1255	TGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGAGAGCTTCAGCATCAACTAAC	1314
Qy	2344	ATCACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGTCCA	2403
Db	1315	ATCACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGTCCA	1374
Qy	2404	GCCCTGGTGGGCCAGTGCCTCAAGATCCCCTCCTATTGGCAGAAGATAATTCC	2463
Db	1375	GCCCTGGTGGGCCAGTGCCTCAAGATCCCCTCCTATTGGCAGAAGATAATTCC	1434
Qy	2464	AGCCTGGACCCACCCGTAGGCGGGTGCCGACTGGCGACTCTGGCCAGAAACTCCAC	2523
Db	1435	AGCCTGGACCCACCCGTAGGCGGGTGCCGACTGGCGACTCTGGCCAGAAACTCCAC	1494
Qy	2524	CTGGACAGCCATCTCAGCTTCTTGCCCTCAAGCCCAGCCCCACAGCCATGATCCTAAC	2583
Db	1495	CTGGACAGCCATCTCAGCTTCTTGCCCTCAAGCCCAGCCCCACAGCCATGATCCTAAC	1554
Qy	2584	CTGTGGGAGGCAGCGGGACTTCCCCAACGGCAACCTCAGCCAGCTGGCTGCAGCAGTGGCT	2643
Db	1555	CTGTGGGAGGCAGCGGGACTTCCCCAACGGCAACCTCAGCCAGCTGGCTGCAGCAGTGGCT	1614
Qy	2644	GGACTGGGCCAGCCAGACGCTGCCCT-TTCACAGTG-TCGGAGGCTGAGTGCTGA	2697
Db	1615	GGGACTGGCCAGCAGGACGGTGGCTTCTTCACAGTGGCTGAGTGCTGA	1670

RESULT 4

US-09-306-902A-2

; Sequence 2, Application US/09306902A

; Patent No. 6277585

; GENERAL INFORMATION:

; APPLICANT: Tessier-Lavigne, Marc
; Leonardo, E. David
; Hink, Lindsay
; Masu, Masayuki
; Kazuko, Keino-Masu

; TITLE OF INVENTION: Netrin Receptors

; NUMBER OF SEQUENCES: 9

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/306,902A
FILING DATE: 07-May-1999
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: UC96-217
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 343-4341
TELEFAX: (415) 343-4342
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1787 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-306-902A-2

Query Match 57.6%; Score 1552.4; DB 3; Length 1787;
Best Local Similarity 98.5%; Pred. No. 0;
Matches 1651; Conservative 0; Mismatches 16; Indels 9; Gaps 8;

Qy	1025	GCAACTGTACCAAGTGACCTCTGTGTACACAGTGCTTCTGGCCCTGAGGACGTGGCCCTCT	1084
Db	1	GCAACTGTACCAAGTGACCTCTG-GTACACACTGCTTCTGGCCCTGAGGACGTGGCCCTCT	59
Qy	1085	ATGTGGGCCTCATGCCGTGGCGTCTGCCTGGTCCTGCTGCTGCTTGTCCCTATCCTCG	1144
Db	60	ATGTGGGCCTCATGCCGTGGCGTCTGCCTGGTCCTGCTGCTGCTTGTCCCTATCCTCG	119
Qy	1145	TTTATTGCCCGAAGAAGGAGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTCACCT	1204
Db	120	TTTATTGCCCGAAGAAGGAGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTCACCT	179
Qy	1205	CAGGCTTCCAGCCCCGTCAAGCATC-AAGCCCAGCAAAGCAGACAACCCCCATCTGCTCACC	1263
Db	180	CAGGCTTCCAGCCCCGTCAAGCATCTAACGCCCAGCAAAGCAGACAACCCCCATCTGCTCACC	239
Qy	1264	ATCCAGCCGGACCTCAGCACCAACCACCCACCTACAGGGCAGTCTCTGTCCCCGGCAG	1323
Db	240	ATCCAGCCGGACCTCAGCACCAACCACCCACCTACAGGGCAGTCTCTGTCCCCGGCAG	299
Qy	1324	GATGGGCCAGCCCCAAGTCCAGCTACCAATGGCACCTGCTCAGCCCCCTGGTGGC	1383
Db	300	GATGGGCCAGCCCCAAGTCCAGCTACCAATGGCACCTGCTCAGCCCCCTGGTGGC	359
Qy	1384	GGCCGCCACACACTGCACCACAGCTCTCCACCTCTGAGGCCGAGGAGTTCGTCTCCGC	1443
Db	360	GGCCGCCACACACTGCACCACAGCTCTCCACCTCTGAGGCCGAGGAGTTCGTCTCCGC	419
Qy	1444	CTCTCCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGCAACATGACCTATGGG	1503
Db	420	CTCTCCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGCAACATGACCTATGGG	479
Qy	1504	ACCTTCAACTTCCTGGGGCCGGCTGATGATCCCTAATACAGGTATCAGCCTCCTCATC	1563

Db	480	 ACCTTCAACTCCTCGGGGGCGGCTGATGATCCCTAATACAGGAATCAGCCTCCTCATC	539
Qy	1564	 CCCCCAGATGCCATAACCCGAGGGAAGATCTATGAGATCTACCTCACGCTGCACAAGCCG	1623
Db	540	 CCCCCAGATGCCATAACCCGAGGGAAGATCTATGAGATCTACCTCACGCTGCACAAGCCG	599
Qy	1624	 GAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCGCTGAGTCCATCGTTAGCTGT	1683
Db	600	 GAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCGCTGAGTCCATCGTTAGCTGT	659
Qy	1684	 GGACCCCCCTGGCGTCTGCTCACCCGGCCAGTCATCCTGGCTATGGACCCTGTGGGAG	1743
Db	660	 GGACCCCCCTGGCGTCTGCTCACCCGGCCAGTCATCCTGGCTATGGACCCTGTGGGAG	719
Qy	1744	 CCCAGCCCTGACAGCTGGAGCCTGCGCCTCAAAAGCAGTCGTGCGAGGGCAGCTGGGAG	1803
Db	720	 CCCAGCCCTGACAGCTGGAGCCTGGCCCTCAAAAGCAGTCGTGCGAGGG-AGCTGGGAG	778
Qy	1804	 GATGTGCTGCACCTGGCGAGGAGGCGCCCTCCACCTCTACTACTGCCAGCTGGAGGCC	1863
Db	779	 GATGT-CTGCACCTGGCGAGGAGGCGCCCTCCACCTCTACTACTGCCAGCTGGAGGCC	837
Qy	1864	 AGTGCCTGCTACGTCTTCACCGAGCAGCTGGCCGCTTGCCCTGGTGGAGAGGCCCTC	1923
Db	838	 AGTGCCTGCTACGTCTTCACCGAGCAGCTGGCCGCTTGCCCTGGTGGAGAGGCCCTC	897
Qy	1924	 AGCGTGGCTGCCGCCAACGCGCTCAAGCTGCTTCTGTTGCGCCGGTGGCCTGCACCTCC	1983
Db	898	 AGCGTGGCTGCCGCCAACGCGCTCAAGCTGCTTCTGTTGCGCCGGTGGCCTGCACCTCC	957
Qy	1984	 CTCGAGTACAACATCCGGTCTACTGCCTGCATGACACCCACGATGCACTCAAGGAGGTG	2043
Db	958	 CTCGAGTACAACATCCGGTCTACTGCCTGCATGACACCCACGATGCACTCAAGGAGGTG	1017
Qy	2044	 GTGCAGCTGGAGAACGAGCTGGGGGACAGCTGATCCAGGAGCCACGGGTCTGCACCTC	2103
Db	1018	 GTGCAGCTGGAGAACGAGCTGGGGGACAGCTGATCCAGGAGCCACGGGTCTGCACCT-	1076
Qy	2104	 AAGGACAGTTACCACAACCTGCCCTATCCATCCACGATGTGCCAGCTCCCTGTGGAAG	2163
Db	1077	 AAGGACAGTTACCACAACCT--GCCCTATCCACGATGTGCCAGCTCCCTGTGGAAG	1134
Qy	2164	 AGTAAGCTCCTGTCAGTACCAAGGAGATCCCTTTATCACATCTGGAATGGCACGCAG	2223
Db	1135	 AGTAAGCTCCTGTCAGTACCAAGGAGATCCCTTTATCACATCTGGAATGGCACGCAG	1194
Qy	2224	 CGGTACTTGCACCTCACCTGGAGCGTGTCAAGCCCCAGCACTAGTGACCTGGCC	2283
Db	1195	 CGGTACTTGCACCTCACCTGGAGCGTGTCAAGCCCCAGCACTAGTGACCTGGCC	1254
Qy	2284	 TGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGAGAGCTTCAGCATCAACTAAC	2343
Db	1255	 TGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGAGAGCTTCAGCATCAACTAAC	1314
Qy	2344	 ATCACCAAGGACACAAGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGTCCCA	2403

Db 1315 ATCACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGTCCCA 1374
Qy 2404 GCCCTGGTGGGCCAGTCAGCTCAAGATCCCCTCCTCATTGGCAGAAGATAATTCC 2463
|||
Db 1375 GCCCTGGTGGGCCAGTCAGCTCAAGATCCCCTCCTCATTGGCAGAAGATAATTCC 1434
Qy 2464 AGCCTGGACCCACCCTGTAGGCAGGGTGCCGACTGGCGACTCTGGCCCAGAAACTCCAC 2523
|||
Db 1435 AGCCTGGACCCACCCTGTAGGCAGGGTGCCGACTGGCGACTCTGGCCCAGAAACTCCAC 1494
Qy 2524 CTGGACAGCCATCTCAGCTTCTTGCTCCAAGCCCAGCCCCACAGCCATGATCCTAAC 2583
|||
Db 1495 CTGGACAGCCATCTCAGCTTCTTGCTCCAAGCCCAGCCCCACAGCCATGATCCTAAC 1554
Qy 2584 CTGTGGGAGGCAGCCGGCACTTCCCAACGGAACCTCAGCCAGCTGGCTGCAGCAGTGGCT 2643
|||
Db 1555 CTGTGGGAGGCAGCCGGCACTTCCCAACGGAACCTCAGCCAGCTGGCTGCAGCAGTGGCT 1614
Qy 2644 GGACTGGGCCAGCCAGACGCTGGCCTC-TTCACAGTG-TCGGAGGCTGAGTGCTGA 2697
|||
Db 1615 GGGACTGGCCAGCAGGACGGTGGCTTCTTCACAGTGGCTGAGTGCTGA 1670

RESULT 5

US-08-808-982-3

; Sequence 3, Application US/08808982

; Patent No. 5939271

; GENERAL INFORMATION:

; APPLICANT: Tessier-Lavigne, Marc

; APPLICANT: Leonardo, E. David

; APPLICANT: Hink, Lindsay

; APPLICANT: Masu, Masayuki

; APPLICANT: Kazuko, Keino-Masu

; TITLE OF INVENTION: Netrin Receptors

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; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/808,982

; FILING DATE:

; CLASSIFICATION: 530

; ATTORNEY/AGENT INFORMATION:

; NAME: OSMAN, RICHARD A

; REGISTRATION NUMBER: 36,627

; REFERENCE/DOCKET NUMBER: UC96-217

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 343-4341

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; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2831 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US 28 282 283 3

US-08-808-982-3

Query Match 31.28; Score 841.4; DB 2; Length 2831;
Best Local Similarity 60.08; Pred. No. 8.4e-182;
Matches 1638; Conservative 0; Mismatches 961; Indels 130; Gaps 9;

Qy	98	ACCCAGTGCCTGGTGCAACCCGGACCTGCTCCCCACTTCCTGGTGGAGGCCGAGGATG	157
Db	104	ACTCCTTCCCATCAGCACCCGGAGCAGCTGCCTCACTTCCTGCTGGAACAGAGGATG	163
Qy	158	TGTACATCGTCAAGAACAAAGCCAGTGCTGCTGTGCAAGGCCGTGCCGCCACGCAGA	217
Db	164	CCTACATCGTAAAGAACAAAGCCAGTGGAATTGCACTGCCGAGCCTCCCTGCCACACAGA	223
Qy	218	TCTTCTTCAAGTGCAACGGGGAGTGGGTGCGCCAGGTGGACCACGTGATCGAGCGCAGCA	277
Db	224	TCTACTTCAAGTGTAAATGGCGAGTGGTTAGCCAGAAAGGCCACGTACGCAGGAGAGCC	283
Qy	278	CAGACGGGAGCAGTGGCTGCCACCATGGAGGTCCGCATTAATGTCTCAAGGCAGCAGG	337
Db	284	TGGATGAGGCCACAGGCTTGCAGAACAGAGGAGGTGCAGATAGAGGTGTCGCGGGCAGCAGG	343
Qy	338	TCGAGAAAGGTGTTGGGCTGGAGGAATACTGGTGCCAGTGCCTGGCATGGAGCTCCCG	397
Db	344	TGGAGGAACTTTTGGGCTCGAGGACTACTGGTGTCACTGCCTGGGCTGGAGCTTCGG	403
Qy	398	GCACCACCAAGAGTCAGAAGGCCTACATCCGCATAGCCAGATTGCGCAAGAACCTCGAGC	457
Db	404	GAACCACCAAGAGTCGCCAGGCCTACATCCGCATTGCCTACTTGCGCAAGAACTTGACC	463
Qy	458	AGGAGCCGCTGGCCAAGGAGGTGTCCCTGGAGCAGGGCATCGTGTGCCCTGCCGTCCAC	517
Db	464	AGGAGCCTCTGGCGAAGGAGGTACCCCTGGATCATGAGGTCCCTCTGCAGTGCCTGCCAC	523
Qy	518	CGGAGGGCATCCCTCCAGCCGAGGTGGAGTGGCTCCGAACGAGGACCTGGTGGACCCGT	577
Db	524	CAGAGGGAGTGCCTGTGGCTGAGGTGGAATGGCTAAGAACATGAAGATGTCATCGATCCCG	583
Qy	578	CCCTGGACCCCAATGTATACATCACGCAGGAGCACAGCCTGGTGGTGCACAGGCCGCC	637
Db	584	CTCAGGACACTAACCTCTGCTCACCATGACCACAACCTCATCCGCCAGGCGCGCC	643
Qy	638	TTGCTGACACGGCCAACCTACACCTGCGTGGCAAGAACATCGTGGCACGTCGCCAGCG	697
Db	644	TCTCAGACACAGCCAACCTACACCTGTGTGGCAAAGAACATTGTGGCAAGCGCCGGAGCA	703
Qy	698	CCTCCGCTGCTGTACGTACGTGAACGGTGGTGGTCACGTGGACCGAGTGGCCG	757
Db	704	CGACGGCCACAGTCATCGTCTATGTGAACGGAGGTGGTCCAGCTGGGAGAACATGGTCAC	763

Qy	1472	TGCCCCGAGGCACCAACATGACCTATGGGACCTTCACACTTCCCGGGGGCCGGCTGA	1531
Db	1604	TCCCTCGAGACCCAGCAGCAGTGTCACTGGCACCTTGTTGCCCTGGTGGAGGCTGA	1663
Qy	1532	TGATCCCTAATACAGGTATCAGCCTCATCCCCCAGATGCCATACCCGAGGGAAGA	1591
Db	1664	CCATTCCCGGCACAGGGGTCAAGCCTGTGGTACCAAATGGAGCCATTCCCCAGGGCAAGT	1723
Qy	1592	TCTATGAGATCTACCTCACGCTGCACAAGCCGGAAAGACGTGAGGTTGCCCTAGCTGGCT	1651
Db	1724	TCTATGACTTGTATCTACGTATCAACAAAGACTGAAAGCACCCCTCCACTTCGGAAAGGT	1783
Qy	1652	GTCAGACCCTGCTGAGTCCCATCGTTAGCTGTGGACCCCTGGCGCCTGCTCACCCGGC	1711
Db	1784	CCCAGACAGTATTGAGCCCCCTCGGTGACCTGCGGGCCCACGGGCCTCCCTGTGCCGCC	1843
Qy	1712	CAGTCATCCTGGCTATGGACCACGTGTGGGAGGCCAGCCCTGACAGCTGGAGCCTGCGCC	1771
Db	1844	CTGTTGTCCTCACTGTGCCCACTGTGCTGAAGTCATTGCCGGAGACTGGATCTCCAGC	1903
Qy	1772	TCAAAAAGCAGTCGTGCGAGGGCAGCTGGGAGGATGTGCTGCACCTGGCGAGGAGGCGC	1831
Db	1904	TCAAGACCCAGGCCATCAGGCCACTGGGAGGAGGTGGTACTTTGGATGAGGAGACTC	1963
Qy	1832	CCTCCCACCTCTACTACTGCCAGCTGGAGGCCAGTGCCTGCTACGTCTCACCGAGCAGC	1891
Db	1964	TGAACACCCCCCTGCTACTGCCAGCTAGAGGCTAAATCCTGCCACATCCTGTTGGACCAGC	2023
Qy	1892	TGGGCCGCTTGCCTGGTGGAGAGGCCCTCAGCGTGGCTGCCGCCAACGCGCTCAAGC	1951
Db	2024	TGGGTACCTACGTGTTCACGGCGAGTCCACTCCGCTCCGAGTCAGCGGCTCCAGC	2083
Qy	1952	TGCTTCTGTTGCCCGGTGGCCTGCACCTCCCTCGAGTACAACATCCGGTCTACTGCC	2011
Db	2084	TAGCCATCTCGCCCCAGCCCTGACCTCCCTGGAGTATAGTCTCAGGGTCTACTGTC	2143
Qy	2012	TGCATGACACCCACGATGCACTCAAGGAGGTGGTCAGCTGGAGAAGCAGCTGGGGGAC	2071
Db	2144	TGGAGGACACTCCTGCAGCACTGAAGGAGGTCTAGAGCTGGAGAGGACTCTGGTGGCT	2203
Qy	2072	AGCTGATCCAGGAGCCACGGGTCTGCACCAAGGACAGTTACCAACCTGCGCCTAT	2131
Db	2204	ACTTGGTGGAGGAGCCAAGACTTTGCTCTTAAGGACAGTTACCAACCTACG-CTCT	2262
Qy	2132	CCATCCACGATGTGCCAGCTCCCTGTGGAAGAGTAAGCTCCTGTCAGCTACCAGGAGA	2191
Db	2263	CCCTCCATGACATCCCCATGCCACTGGAGGAGCAAACACTGGCCAAGTACCAGGAGA	2322
Qy	2192	TCCCCTTTATCACATCTGGATGGCACCGCAGCGGTACTTGCACTGCACCTCACCCCTGG	2251
Db	2323	TTCCCTCTACCATGTGTGGAACGGCAGCCAGAAAGCCCTGCACTGCACCTCACCCCTGG	2382
Qy	2252	AGCGTGTCAAGCCCCAGCACTAGTGACCTGGCCTGCAAGCTGGGTGTGGCAGGTGGAGG	2311
Db	2383	AGAGACATAGCCTAGCCTCACTGAGTCACCTGTAAGGTCTGCGTGGCAGGTAGAAG	2442
Qy	2312	GCGACGGGCAGAGCTTCAGCATCAACTCAACATCAC---CAAGGACACAAGGTTGCTG	2368

Db	2443	GGGAAGGCCAGATTTCCAGCTGCACACCACGCTGGCTGAGACGCCGTGGCTCCCTGG	2502
Qy	2369	AGCTGCTGGCTCTGGAGAGTGAAGCGGGGTCCCAGCCCTGGTGGCCCCAGTCCTCA	2428
Db	2503	ATGCACTCTGCTCTGCCCTGGCAATGCTGCCACCACAGCTGGACCCTATGCCTCA	2562
Qy	2429	AGATCCCCTCCTCATTGGCAGAAGATAATTCCAGCCTGGACCCACCCTGTAGGCGGG	2488
Db	2563	AGATACCACTGTCCATCCGCCAGAAGATCTGCAACAGCCTGGACGCCAACTCACGGG	2622
Qy	2489	GTGCCGACTGGCGGACTCTGGCCCAGAAACTCCACCTGGACAGCCATCTCAGCTCTTG	2548
Db	2623	GCAATGACTGGCGCTGTTGGCACAGAAGCTCTCATGGACCGTACCTGAACACTTCG	2682
Qy	2549	CCTCCAAGCCCAGCCCCACAGCCATGATCCTAACCTGTGGGAGGCGCCACTCCCCA	2608
Db	2683	CCACCAAAGCTAGTCCCACAGGCGTGATCTAGACCTCTGGGAAGCTGGCAGCAGGATG	2742
Qy	2609	ACGGCAACCTCAGCCAGCTGGCTGCAGCAGTGGCTGGACTGGCCAGCCAGCGCTGGCC	2668
Db	2743	ATGGGGACCTAACAGCCTGGCAGTGCCTGGAGGAGATGGCAAGAGTGAGATGCTGG	2802
Qy	2669	TCTTCACAGTGTGGAGGCTGAGTGCTGA	2697
Db	2803	TAGCCATGACCACTGATGGCGATTGCTGA	2831

RESULT 6

US-09-306-902A-3

; Sequence 3, Application US/09306902A

; Patent No. 6277585

; GENERAL INFORMATION:

; APPLICANT: Tessier-Lavigne, Marc
; Leonardo, E. David
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 ; INFORMATION FOR SEQ ID NO: 3:
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 ; LENGTH: 2831 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
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Db	104	ACTCCTTCCCACATCAGCACCCGGAGCAGCTGCCTCACTTCCTGCTGGAACCAGAGGATG	163
Qy	158	TGTACATCGTCAAGAACAAAGCCAGTGCTGCTTGTGCAAGGCCGTGCCGCCACGCAGA	217
Db	164	CCTACATCGTAAAGAACAAAGCCAGTGGATTGCACTGCCAGCCTCCCTGCCACACAGA	223
Qy	218	TCTTCTTCAAGTGCAACGGGGAGTGGGTGCGCCAGGTGGACCACGTGATCGAGCGCAGCA	277
Db	224	TCTACTTCAAGTGTAATGGCGAGTGGTTAGCCAGAAAGGCCACGTACGCAGGAGAGCC	283
Qy	278	CAGACGGGAGCAGTGGCTGCCACCATGGAGGTCCGCATTAATGTCTCAAGGCAGCAGG	337
Db	284	TGGATGAGGCCACAGGCTTGCATAACGAGAGGTGCAGATAGAGGTGTCGGCAGCAGG	343
Qy	338	TCGAGAAGGTGTTGGCTGGAGGAATACTGGTGCCAGTGCCTGGCATGGAGCTCTCGG	397
Db	344	TGGAGGAACCTTTGGCTCGAGGACTACTGGTGTCACTGCCTGGAGCTCTCGG	403
Qy	398	GCACCACCAAGAGTCAGAACGCCATACATCCGCATAGCCAGATTGCGCAAGAACCTCGAGC	457
Db	404	GAACCACCAAGAGTCGCCAGCCTACATCCGCATTGCCTACTGCGCAAGAACCTTGACC	463
Qy	458	AGGAGCCGCTGGCCAAGGAGGTGTCCTGGAGCAGGCATCGTGCCTGCCGTCCAC	517
Db	464	AGGAGCCTCTGGCGAAGGAGGTACCCCTGGATCATGAGGTCTCTGCAGTGCCGCCAC	523
Qy	518	CGGAGGGCATCCCTCCAGCCGAGGTGGAGTGGCTCCGAACGAGGACCTGGTGGACCGT	577
Db	524	CAGAGGGAGTGCCTGGCTGAGGTGGAATGGCTAAGAACATGAAGATGTCATCGATCCCG	583
Qy	578	CCCTGGACCCCAATGTATACATCACGCAGGAGCACGCCCTGGTGGTGCACAGGCCGCC	637
Db	584	CTCAGGACACTAACTCCTGCTACCATTGACCACAACCTCATCCGCCAGGCGCGCC	643
Qy	638	TTGCTGACACGGCCAACCTACACCTGCGTGGCCAAGAACATCGTGGCACGTGCCAGCG	697

Db	644	TCTCAGACACAGCCA ACTACACCTGTGTGGCAAAGAATATTGTGGCCAAGCGCCGGAGCA	703
Qy	698	CCTCCGCTGCTGTATCGTCTACGTGAACGGTGGGTGGTCACGTGGACCGAGTGGTCCG	757
Db	704	CGACGGCCACAGTCATCGTCTATGTGAACGGAGGTGGTCCAGCTGGCAGAATGGTCAC	763
Qy	758	TCTGCAGCGCCAGCTGTGGCGCGCTGGCAGAACGGAGGCCGGAGCTGCACCAACCCGG	817
Db	764	CCTGCTCTAACCGCTGCGGCCGAGGTGGCAGAACGTACTAGGACCTGCACCAACCCAG	823
Qy	818	CGCCTCTCAACGGGGCGCTTCTGTGAGGGGCAGAACATGTCCAGAAAACAGCCTGCGCCA	877
Db	824	CCCCACTCAATGGAGGTGCCTCTGCGAGGGACAGGCTTGCCAGAAGACGGTTGCACCA	883
Qy	878	CCCTGTGCCAGTAGACGGCAGCTGGAGGCCGTGGAGCAAGTGGTCCGGCTGTGGGCTGG	937
Db	884	CCGTGTGCCAGTGGATGGAGCGTGGACTGAGTGGAGCAAGTGGTCCGGCTGCAGCACAG	943
Qy	938	ACTGCACCCACTGGCGGAGCCGTGAGTGCTCTGACCCAGCACCCGCAACGGAGGGGAGG	997
Db	944	AGTGTGCGCACTGGCGCAGCCGAGTGCATGGCACCGCCGCCAGAACGGAGGCCGTG	1003
Qy	998	AGTGCCAGGGCACTGACCTGGACACCCGCAACTGTACAGTGACCTCTGTGTACACAGTG	1057
Db	1004	ACTGCAGCGGGACGCTACTTGACTCCAAGAACTGCACCGATGGCTGTGCGTGCTGAATC	1063
Qy	1058	CTTCTGGCC-----CTGAGGACGTGGCCCTCT	1084
Db	1064	AGAGAACTCTAAACGACCCTAAAGCCGCCCCCTGGAGGCCGTGGAGACGTGGCGCTGT	1123
Qy	1085	ATGTGGCCTC---ATGCCGTGGCGTCTGCCCTGGCTCTGCTGCTGCTTGTCCATCC	1141
Db	1124	ATGCCGGCCTCGTGGTGGCCGTCTTGAGTCTCATGGCTGTAGGAGTGAA	1183
Qy	1142	TCGTTTATTGCCGGAAGAAGGAGGGCTGGACTCAGATGTGGCTGACTCGTCATT---C	1198
Db	1184	TCGTGTACCGGAGAAACTGCCGGACTTCGACACGGACATCACTGACTCCCTGCTGCC	1243
Qy	1199	TCACCTCAGGCTTCCAGCCGTCAAGCATCAAGCCAGCAAAGCAGACAACCCCCATCTGC	1258
Db	1244	TCACTGGTGGTTCCACCCGTCAACTCAAGACTGCAAGGCCAGCAACCCACAGCTCC	1303
Qy	1259	T-----CACCATCCAGCCGGACCTCAGCACCAACCACCACTACCAGGGCAGTCTCT	1312
Db	1304	TGCACCCATCCGCCCTCCGGACCTAACGGCAGTGCATCTACCGCGGACCTGTGT	1363
Qy	1313	GTCCCCGGCAGGA-----TG	1327
Db	1364	ATGCCCTGCAGGACTCTGCCGACAAGATCCCTATGACTAATTCAACCCCTCTGGATCCCT	1423
Qy	1328	GGCCCAGCCCCAAGTCCAGCTACCAATGGCACCTGCTCAGCCC-----CCTGG	1378
Db	1424	TGCCCAAGCCTCAAGATCAAGGTCTATGACTCCAGCACCATCGGCTCTGGGCTGGCCTGG	1483
Qy	1379	GTGGCGGCCACACACTGCACCAAGCTCTCCACCTCTGAGGCCAGGAGTTCGTCT	1438

Db	1484	CTGATGGAGCCGACCTGCTGGGTGTCCTACCACCCGGTACATACCCAGGCATTCTCCC	1543
Qy	1439	CCCGCCTCTCCACCCAGAAC-----	TACTTCCGCTCCC 1471
Db	1544	GGGACACCCACTTCCTGCACCTGCGCAGGCCAGCCTGGTCCAGCACCTCCTGGGCC	1603
Qy	1472	TGCCCGAGGCACCAGCAACATGACCTATGGGACCTCAACTCCTCGGGGCCGGCTGA	1531
Db	1604	TCCCTCGAGACCCCAGCAGCAGTGTCACTGGCACCTTGGTGCCTGGTGGAGGCTGA	1663
Qy	1532	TGATCCCTAATACAGGTATCAGCCTCCTCATCCCCCAGATGCCATACCCGAGGAAAGA	1591
Db	1664	CCATTCCCGGCACAGGGTCAGCCTGTTGGTACCAAATGGAGCCATTCCCAGGGCAAGT	1723
Qy	1592	TCTATGAGATCTACCTCACGCTGCACAAGCCGGAAGACGTGAGGTTGCCCTAGCTGGCT	1651
Db	1724	TCTATGACTTGTATCACGTATCAACAAGACTGAAAGCACCCCTCCACTTCGGAAGGTT	1783
Qy	1652	GTCAGACCTGCTGAGTCCCACCGTTAGCTGTGGACCCCTGGCGTCCTGCTCACCCGGC	1711
Db	1784	CCCAGACAGTATTGAGCCCCTCGGTGACCTGCGGGCCACGGGCTCCTCCTGTGCCGCC	1843
Qy	1712	CAGTCATCCTGGCTATGGACCCTGTGGGAGCCCAGCCTGACAGCTGGAGCCTGCC	1771
Db	1844	CTGTTGTCCCTCACTGTGCCCACTGTGCTGAAGTCATTGCCGGAGACTGGATCTCCAGC	1903
Qy	1772	TCAAAAAGCAGTCGTGCGAGGGCAGCTGGGAGGATGTGCTGCACCTGGCGAGGAGGCGC	1831
Db	1904	TCAAGACCCAGGCCATCAGGGCACTGGGAGGAGGTGGTACCTGGATGAGGAGACTC	1963
Qy	1832	CCTCCCACCTCTACTACTGCCAGCTGGAGGCCAGTGCCTGCTACGTCTCACCGAGCAGC	1891
Db	1964	TGAACACCCCTGCTACTGCCAGCTAGAGGCTAAATCCTGCCACATCCTGTGGACCAGC	2023
Qy	1892	TGGGCCGCTTGCCCTGGTGGAGAGGCCCTCAGCGTGGCTGCCGCCAGCGCTCAAGC	1951
Db	2024	TGGGTACCTACGTGTTCACGGCGAGTCCTACTCCCGCTCCGCAGTCAAGCGGCTCCAGC	2083
Qy	1952	TGCTTCTGTTGCGCCGGTGGCCTGCACCTCCCTCGAGTACAACATCCGGGTACTGCC	2011
Db	2084	TAGCCATCTCGCCCCAGCCCTCTGCACCTCCCTGGAGTATAGTCTCAGGGTCACTGTC	2143
Qy	2012	TGCATGACACCCACGATGCACTCAAGGAGGTGGTGCAGCTGGAGAAGCAGCTGGGGGAC	2071
Db	2144	TGGAGGACACTCCTGCAGCACTGAAGGAGGTCTAGAGCTGGAGAGGACTCTGGTGGCT	2203
Qy	2072	AGCTGATCCAGGAGCCACGGTCCTGCACCAAGGACAGTTACCAACCTGCGCTAT	2131
Db	2204	ACTTGGTGAGGAGCCAAGACTTGTCTTTAAGGACAGTTACCAACCTACG-CTCT	2262
Qy	2132	CCATCCACGATGTGCCAGCTCCCTGTGAAAGAGTAAGCTCCTGTCAGTACCAAGGAGA	2191
Db	2263	CCCTCCATGACATCCCCATGCCCACTGGAGGAGCAAACACTGGCCAAGTACCAAGGAGA	2322
Qy	2192	TCCCCTTTATCACATCTGGAATGGCACGCCAGCGGTACTTGCACGTGACCTTCACCC	2251
Db	2323	TTCCCTTCTACCATGTGGAACGGCAGCCAGAAAGCCCTGCACTGCACTTCACCC	2382

Qy	2252	AGCGTGTCA GCCCCAGCACTAGTGACCTGGCCTGCAAGCTGTGGGTGTGGCAGGTGGAGG	2311
Db	2383	AGAGACATAGCCTAGCCTCCACTGAGTTCACCTGTAAGGTCTGCCTGCCAGGTAGAAG	2442
Qy	2312	GCGACGGGCAGAGCTTCAGCATCAACTAACATCAC---CAAGGACACAAGGTTGCTG	2368
Db	2443	GGGAAGGCCAGATTTCAGCTGCACACCACGCTGGCTGAGACGCCCTGCTGGCTCCCTGG	2502
Qy	2369	AGCTGCTGGCTCTGGAGAGTGAAAGCGGGGGTCCCAGCCCTGGTGGGCCAGTGCCTTCA	2428
Db	2503	ATGCACTCTGCTCTGCCCTGGCAATGCTGCCACACAGCTGGACCCCTATGCCTTCA	2562
Qy	2429	AGATCCCCTTCCTCATTGGCAGAAGATAATTCCAGCCTGGACCCACCCCTGTAGGCCGG	2488
Db	2563	AGATACCACTGTCCATCCGCCAGAAGATCTGCAACAGCCTGGACGCCAACTCACGGG	2622
Qy	2489	GTGCCGACTGGCGGACTCTGGCCAGAAACTCCACCTGGACAGCCATCTCAGCTTCTTG	2548
Db	2623	GCAATGACTGGCGGCTGTTGGCACAGAAGCTCTCCATGGACCGTACCTGAACACTTCG	2682
Qy	2549	CCTCCAAGCCCAGCCCCACAGCCATGATCCTCAACCTGTGGGAGGCGCCACTCCCCA	2608
Db	2683	CCACCAAAGCTAGTCCCACAGGCCTGATCTAGACCTCTGGGAAGCTCGGCAGCAGGATG	2742
Qy	2609	ACGGCAACCTCAGCCAGCTGGCTGCAGCAGTGGCTGGACTGGGCCAGCCAGACGCTGCC	2668
Db	2743	ATGGGGACCTAACAGCCTGGCAGTGCCTTGGAGGAGATGGCAAGAGTGAGATGCTGG	2802
Qy	2669	TCTTCACAGTGTGGAGGCTGAGTGCTGA	2697
Db	2803	TAGCCATGACCACTGATGGCGATTGCTGA	2831

RESULT 7

US-09-949-016-4794

; Sequence 4794, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES
THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 4794

; LENGTH: 3008

; TYPE: DNA

; ORGANISM: Human
US-09-949-016-4794

Query Match 30.9%; Score 833.6; DB 4; Length 3008;
Best Local Similarity 62.1%; Pred. No. 5.1e-180;
Matches 1435; Conservative 0; Mismatches 814; Indels 63; Gaps 5;

Qy 440 TCGCAGAACCTCGAGCAGGAGCCGCTGCCAAGGAGGTGTCCTGGAGCAGGGCATCG 499
| || | || | || | || | || | || | || | || | || | || | || | || |
Db 10 TACGGAAGACATTGAGCAGGAACCCCTAGGAAAGGAAGTGTCTTGAAACAGGAAGTCT 69

Qy 500 TGCTGCCCTGCCGTCCACCGGAGGGCATCCCTCCAGCCGAGGTGGAGTGGCTCCGGAACG 559
| || | | || | || | || | || | || | || | || | || | || | | | |
Db 70 TACTCCAGTGTGACCCACCTGAAGGGATCCCAGTGGCTGAGGTGGAATGGTTGAAAAATG 129

Qy 560 AGGACCTGGTGGACCCGTCCTGGACCCCAATGTATACTACATCACCGGGAGCACAGCCTGG 619
| || | | | || | || | || | || | || | || | || | || | || | | |
Db 130 AAGACATAATTGATCCCGTTGAAGATCGGAATTTTATATTACTATTGATCACAAACCTCA 189

Qy 620 TGGTGCACAGGCCCGCCTGCTGACACGCCAACTACACCTGCGTGGCCAAGAACATCG 679
| | | || | || | || | || | || | || | || | || | || | | | |
Db 190 TCATAAAGCAGGCCGACTCTGTGATACTGCCACTGTCTATGTCAACCGTGGCTGGTCCA 249

Qy 680 TGGCACGTCGCCGCAGGCCCTCGCTGCTCATCGTCTACGTGAACGGTGGTGGTCGA 739
| | | | | || | | | | || | || | || | || | || | || | | | |
Db 250 TTGCCAAGAGGAAAAGTACAACGCCACTGTCTATGTCAACCGTGGCTGGTCCA 309

Qy 740 CGTGGACCGAGTGGTCCGTCTGCAGGCCAGCTGTGGCGCGCTGGCAGAAACGGAGCC 799
| | | | | || | | | | | || | | | | | || | | | | | | | |
Db 310 CCTGGACGGAGTGGTCTGTGTAAACAGCCGCTGTGGACGAGGGTATCAGAAACGTACAA 369

Qy 800 GGAGCTGCACCAACCCGGCCCTCTCAACGGGGCGCTTCTGTGAGGGGCAGAATGTCC 859
| | | | | || | | | | | || | | | | | || | | | | | | | |
Db 370 GGACTTGTACCAACCCGGCACCACTCAATGGGGTGCCCTCTGTGAAGGGCAGAGTGTGC 429

Qy 860 AGAAAACAGCCTGCCACCTGTGCCAGTAGACGCCAGCTGGAGGCCGTGGAGCAAGT 919
| | | | | || | | | | | || | | | | | || | | | | | | | |
Db 430 AGAAAATAGCCTGTACTACGTTATGCCAGTGGATGGCAGGTGGACGCCATGGAGCAAGT 489

Qy 920 GGTCGGCTGTGGCTGGACTGCACCCACTGGCGAGGCCGTGAGTGCTCTGACCCAGCAC 979
| | | | | || | | | | | || | | | | | || | | | | | | | |
Db 490 GGTCTACTTGTGAACTGAGTGCACCCACTGGCGAGGAGTGCACGGGCCAGCCC 549

Qy 980 CCCGCAACGGAGGGAGGAGTGCCAGGGACTGACCTGGACACCCGCAACTGTACCAGTG 1039
| | | | | || | | | | | || | | | | | || | | | | | | | |
Db 550 CCAAGAATGGAGGCAAGGACTGCGACGGCCTCGTCTGCAATCAAAGAACTGCACTGATG 609

Qy 1040 ACCTCTGTGTACACAGTGCTTCTGGCCCTGAGGACGTGGCCCTCTATGTGGG---CCTCA 1096
| | | | | || | | | | | || | | | | | || | | | | | | | |
Db 610 GGCTTTGCATGCAGACTGCTCCTGATTCAAGATGATGTTGCTCTATGTTGGGATTGTGA 669

Qy 1097 TCGCCGTGCCGTCTGCCCTGGCCTGCTGCTGCTTGTCTCATCCTCGTTATTGCCGGA 1156
| | | | | || | | | | | | | | | | | | | | | | | | | |
Db 670 TAGCAGTGATCGTTGCCCTGGCGATCTCTGTAGTTGTCCTGTTGTATCGGAAGA 729

Qy 1157 AGAAGGAGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTCACCTCAGGCTCCAGC 1216
| | | | | || | | | | | || | | | | | | | | | | | | | |

Db	730	ATCATCGTGA CTTGAGTCAGATATTATTGACTCTCGGC ACTCAATGGGGCTTCAGC	789
Qy	1217	CCGT CAGCATCAAGCCCAGCAAAGCAGACAACCCCCATCTGCTCACCATCCAGCCGGACC	1276
Db	790	CTGTGAACATCAAG-----GCAGCAAGACAAGATCTGCTGGCTGTACCCCCAGACC	840
Qy	1277	TCAGCACCACCACCA CACCTACCAGGGCAGTCTGTCCCCGGCAGGATG-----GGCC	1331
Db	841	TCACGTCA GCTGCAGCCATGTACAGAGGACCTGTCTATGCCCTGCATGACGTCTCAGACA	900
Qy	1332	CAGCCCCAAGTTCCAGCTCACCAAT---GGGCACCTGCTCAGCCCCCTGGGTGGCGGCC	1387
Db	901	AAATCCCAATGACCAACTCTCCAATTCTGGATCCACTGCCAACCTGAAAATCAAAGTGT	960
Qy	1388	GCCACACACTGCACCACAGCTCTCCACCTCTGAGGCCGAGGGAGTTCTCTCCGCCCT	1447
Db	961	ACAACACCTCAGGTGCTGTACCCCCCAAGATGACCTCTGTAGTTACGTCCAAGCTGT	1020
Qy	1448	CCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAACATGA-----	1495
Db	1021	CCCCTCAGATGACCCAGTCGTTGGAGAATGAAGCCCTCAGCCTGAAGAACAGAGTC	1080
Qy	1496	-----CCTATGGGACCTTCAACTCCTCGGGGGCC	1525
Db	1081	TAGCAAGGCAGACTGATCCATCCTGTACCGCATTGGCAGCTTCAACTCGCTGGAGGTC	1140
Qy	1526	GGCTGATGATCCCTAACAGGTATCAGCCTCCTCATCCCCCAGATGCCATACCCCGAG	1585
Db	1141	ACCTTATTGTTCCCAATTCA CAGGAGTCAGCTGCTGATTCCGCTGGGCCATTCCCCAAG	1200
Qy	1586	GGAAGATCTATGAGATCTACCTCACGCTGCACAAGCCGGAGACGTGAGGTTGCCCTAG	1645
Db	1201	GGAGAGTCTACGAAATGTATGTGACTGTACACAGGAAAGAAACTATGAGGCCACCATGG	1260
Qy	1646	CTGGCTGTCAGACCCCTGCTGAGTCCCACCGTTAGCTGTGGACCCCTGGCGTCTGCTCA	1705
Db	1261	ATGACTCTCAGACACTTTGACCCCTGTGGTGAGCTGTGGGCCAGGAGCTGCTCA	1320
Qy	1706	CCCGGCCAGTCATCCTGGCTATGGACCACTGTGGGGAGCCAGCCCTGACAGCTGGAGCC	1765
Db	1321	CCCGCCCAGTCGTCTCACTATGCATCACTGCGCAGACCCCAATACCGAGGACTGGAAAA	1380
Qy	1766	TGCGCCTCAAAAGCAGTCGTGCGAGGGCAGCTGGGAGGATGTGCTGCACCTGGCGAGG	1825
Db	1381	TACTGCTCAAGAACCA CAGGCAGCACAGGGACAGTGGGAGGATGTGGTGGTCGGGAGG	1440
Qy	1826	AGGCGCCCTCCACCTCTACTACTGCCAGCTGGAGGGCAGTGCCTGCTACGTCTTACCG	1885
Db	1441	AAAACCTCACCA CCCCCCTGCTACATTCA GCTGGATGCAGAGGCCCTGCCACATCCTCACAG	1500
Qy	1886	AGCAGCTGGGCCGCTTGCCTGGTGGAGAGGCCCTCAGCGTGGCTGCCGCCAAGCGCC	1945
Db	1501	AGAACCTCAGCACCTACGCCCTGGTAGGACATTCCACCAAGCGGCTGCGAAGCGCC	1560
Qy	1946	TCAAGCTGCTTCTGTTGCGCCGGTGGCTGCACCTCCCTCGAGTACAACATCCGGGTCT	2005
Db	1561	TCAAGCTGGC ATCTTGGGCCCTGTGCTCCTCGCTGGAGTACAGC ATCCGAGTCT	1620

Qy	2006	ACTGCCTGCATGACACCCACGATGCACTCAAGGGAGGTGGTGCAGCTGGAGAAGCAGCTGG 2065	
Db	1621	ACTGTCTGGATGACACCCAGGATGCCCTGAAGGAAATTACATCTTGAGAGACAGATGG 1680	
Qy	2066	GGGGACAGCTGATCCAGGAGCCACGGGCCTGCACTTCAAGGACAGTTACCACAACTGC 2125	
Db	1681	GAGGACAGCTCCTAGAAGAACCTAAGGCTCTCATTTAAAGGCAGCACCCACAACCTGC 1740	
Qy	2126	GCCTATCCATCCACGATGTGCCAGCTCCCTGTGGAAGAGTAAGCTCCTTGTCACTTAC 2185	
Db	1741	GCCTGTCAATTACGATATGCCCATTCCTCTGGAAGAGCAAATTGCTGGCTAAATATC 1800	
Qy	2186	AGGAGATCCCCTTTATCACATCTGGAATGGCACCGCAGCGGTACTTGCACTGCACCTTCA 2245	
Db	1801	AGGAAATTCCATTACCATGTTGGAGTGGATCTCAAAGAACCTGCACTGCACCTTCA 1860	
Qy	2246	CCCTGGAGCGTGTCAGCCAGCACTAGTGACCTGGCCTGCAAGCTGTGGGTGTGGCAGG 2305	
Db	1861	CTCTGGAAAGATTAGCCTAACACAGTGGAGCTGGTTGCAAACCTCTGTGTGCGGCAGG 1920	
Qy	2306	TGGAGGGCGACGGCAGAGCTTCAGCATCAACTCAACATACCAAGGACACAAGGTTG 2365	
Db	1921	TGGAAGGAGAACGGCAGATCTCCAGCTCAACTGCACCGTGTCAAGGAAACCTACTGGCA 1980	
Qy	2366	CTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGGTCCCAGCCCTGGTGGGCCAGTGCCT 2425	
Db	1981	TCGATTGCCGCTGGATCCTGCAACACCATCACACGGTCACGGGCCAGTGCCT 2040	
Qy	2426	TCAAGATCCCCCTCCTCATTGGCAGAAGATAATTCCAGCCTGGACCCACCCCTGTAGGC 2485	
Db	2041	TCAGCATCCCTCTCCCTATCCGGCAGAAGCTCTGTAGCAGCCTGGATGCCAGACGA 2100	
Qy	2486	GGGGTGCCGACTGGCGACTCTGGCCCAGAAACTCCACCTGGACAGCCATCTCAGCTTCT 2545	
Db	2101	GAGGCCATGACTGGAGGATGCTGGCCATAAGCTGAACCTGGACAGGTACTTGAATTACT 2160	
Qy	2546	TTGCCTCCAAGCCCAGCCCCACAGCCATGATCCTCAACCTGTGGAGGGCGCGCACCTCC 2605	
Db	2161	TTGCCACCAAATCAGCCAACTGGCGTAATCCTGGATCTTGGAAAGCACAGAACTTCC 2220	
Qy	2606	CCAACGGCAACCTCAGCCAGCTGGCTGCAGCAGTGGCTGGACTGGCCAGCCAGACGCTG 2665	
Db	2221	CAGATGAAACCTGAGCATGCTGGCAGCTGTCTTGGAAAGAAATGGGAAGACATGAAACGG 2280	
Qy	2666	GCCTCTCACAGTGTGGAGGCTGAGTGTGA 2697	
Db	2281	TGGTGTCTTAGCAGCAGAACGGCAGTATTAA 2312	

RESULT 8

US-09-969-532-9

; Sequence 9, Application US/09969532

; Patent No. 6777232

; GENERAL INFORMATION:

; APPLICANT: Walke, D. Wade

APPLICANT: Scoville, John

; TITLE OF INVENTION: No. 6777232el Human Membrane Proteins and Polynucleotides
Encoding the Same
; FILE REFERENCE: LEX-0244-USA
; CURRENT APPLICATION NUMBER: US/09/969,532
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US 60/237,280
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 2736
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-969-532-9

Query Match 18.1%; Score 487; DB 4; Length 2736;
Best Local Similarity 50.9%; Pred. No. 4.1e-101;
Matches 1305; Conservative 0; Mismatches 1230; Indels 30; Gaps 5;

Qy	1567	CCAGATGCCATACCCGAGGGAAAGATCTATGAGATCTACCTCACGCTGCACAAGCCGGAA	1626
Db	1576	CACGGTGCCATCCCAGAGGAATTCTGGAGATTATATGTCCAT---CAACCAAGGT	1632
Qy	1627	GACGTGAGGTTGCCCTAGCTGGCTGTAGACCCCTGCTGAGTCCCATCGTTAGCTGTGGA	1686
Db	1633	GAACCCAGCCTCCAGTCAGATGGCTCTGAGGTGCTCCTGAGTCCTGAAGTCACCTGTGGT	1692
Qy	1687	CCCCCTGGCGTCCTGCTCACCCGGCCAGTCATCCTGGCTATGGACCACGTGGGGAGCCC	1746
Db	1693	CCTCCAGACATGATCGTCACCACTCCCTTGCATTGACCATCCCGACTGTGCAGATGTC	1752
Qy	1747	AGCCCTGACAGCTGGAGCCTGCGCCTCAAAAAGCAGTCGTGCGAGGGCAGCTGGGAGGAT	1806
Db	1753	AGTTCTGAGCATTGAAATATCCATTAAAGAAGAGGACACAGCAGGGCAAATGGGAGGAA	1812
Qy	1807	GTGCTGACCTGGCGAGGAGGCCTCCACCTCTACTACTGCCAGCTGGAGGCCAGT	1866
Db	1813	GTGATGTCAGTGGAAAGATGAATCTACATC-----CTGTTACTGCCTTTGGACCCCTT	1866
Qy	1867	GCCTGCTACGTCTCACCGAGCAGCTGGCCGCTTGCCTGGTGGAGAGGCCCTCAGC	1926
Db	1867	GCCTGTCATGTGCTCCTGGACAGCTTGGACCTATGCGCTACTGGAGAGCCAATCACA	1926
Qy	1927	GTGGCTGCCGCCAAGCGCCTCAAGCTGCTTCTGTTGCGCCGGTGGCCTGCACCTCCCTC	1986
Db	1927	GACTGTGCCGTGAAGCAACTGAAGGTGGCGTTTTGGCTGCATGTCCTGTAACCTCCCTG	1986
Qy	1987	GAGTACAACATCCGGGTCTACTGCCTGCATGACACCCACGATGCACTCAAGGAGGTGGTG	2046
Db	1987	GATTACAACTTGAGAGTTACTGTGTGGACAATACCCCTGTGCATTCAGGAAGTGGTT	2046
Qy	2047	CAGCTGGAGAACGAGCTGGGGGACAGCTGATCCAGGAGCCACGGGTCTGCACTCAAG	2106
Db	2047	TCAGATGAAAGGCATCAAGGTGGACAGCTCCTGGAAAGAACCAAAATTGCTGCATTCAA	2106
Qy	2107	GACAGTTACCACAACCTGCCTATCCATCCACGATGTGCCAGCTCCCTGTGGAAAGAGT	2166
Db	2107	GGGAATACTTAGTCTCAGATTCTGTCTTGATATTCCCCATTCCCTGTGGAGAATT	2166
Qy	2167	AAGCTCCTGTCAGTACCAAGGAGATCCCCTTTATCACATCTGGAATGGCACGCAGCGG	2226
Db	2167	AAACCATTCACTGCCTGCCAGGAAGTCCC GTTCTCCCGCGTGTGGTGCAGTAACCGGCAG	2226
Qy	2227	TACTTGCACTGCACCTTCACCCCTGGAGCGTGTCAAGCCCCAGCACTAGTGACCTGGCCTGC	2286
Db	2227	CCCCTGCACTGTGCCCTCTCCCTGGAGCGTTACGCCCACTACCACCCAGCTGTCC	2286
Qy	2287	AAGCTGTGGGTGTGGCAGGTGGAGGGCAGGGCAGAGCTTCAGCATCAACTTCAACATC	2346
Db	2287	AAAATCTGCATTGGCAGCTAAAGGCCATGAACAGATCCTCCAAGTGCAGACATCAATC	2346
Qy	2347	ACCAAGGACACAAGGTTGCTGAGCTGCTGGCTTGGAGAGTGAAGCGGGGTCCAGCC	2406
Db	2347	CTAGAGAGTGAACGAGAAACCATCACTTCTCGCACAAGAGGACAGCACTTCC	2406

RESULT 9

US-09-969-532-33

; Sequence 33, Application US/09969532

Patent No. 6777232

; GENERAL INFORMATION:

; APPLICANT: Walke, D. Wade
; APPLICANT: Scoville, John

; TITLE OF INVENTION: No. 6777.

Encoding the Same

; FILE REFERENCE: LEX-0244-USA

; CURRENT APPLICATION NUMBER: U

; CURRENT FILING DATE: 2001-10-02

; PRIOR APPLICATION NUMBER: US

; PRIOR FILING DATE: 2000-10-02

; NUMBER OF S

; SOFTWARE: Fas

; SEQ ID NO 3:

; LENGTH: 3411

; TYPE: DNA

; ORGANISM: homo sapiens

6-09-969-532-33

Query Match 18.1%; Score 487; DB 4; Length 3411;

137 CTTGGCCGACTTGGCTGGACGGGGGAGGATCTGTAAGTGGTGAAGAGAGAGGGACTTCCTG 186

QY 127 CTTCCCCCACTTCCGGGAGGCCGAGGAATGTGTACATCGTCAGAACAGCCAGTGCTG 186

371 CTGGCCCTGTTTGATAGCGGCCGAGCTGTTCCTTATTATGCGCGGAGGCTTTGCG 380

DB 271 CTGCTCTATTCAAGAGGAGCCAGATGATGCTTATAATTCAAGAGCAACCCATTGCA 330

II III IIIII III IIIIII IIIIIII IIIIIIIII IIIIIIIIIII

CTCAGGTGCAAAGCGAGGCCAGCCATGGCAGATATTCTTCAAATGCAACGGCGAGTGG

Db	391	CATCAGAACGAGCACGTCTCTGAAGAGACTCTGGACGAGAGCTCAGGTTGAAGGTCCGC	450
Qy	307	GAGGTCCCGATTAATGTCTCAAGGCAGCAGGTGAGAAGGTGTTGGGGCTGGAGGAATAC	366
Db	451		
Db	451	GAAGTGTTCATCAATGTTACTAGGCAACAGGTGGAGGACTTCCATGGGCCGAGGACTAT	510
Qy	367	TGGTGCCAGTGCAGCATGGAGCTCCTGGGCACCACCAAGAGTCAGAAGGCCTACATC	426
Db	511		
Db	511	TGGTGCCAGTGTGTGGCGTGGAGCCACCTGGTACCTCCAAGAGCAGGAAGGCCTCTGTG	570
Qy	427	CGCATAGCCAGATTGCGCAAGAACTTCGAGCAGGAGCCGCTGGCCAAGGAGGTGTCCCCTG	486
Db	571		
Db	571	CGCATAGCCTATTAACGGAAAACTTGAACAAGACCCACAAGGAAGGAAGTTCCCATT	630
Qy	487	GAGCAGGGCATCGTGCCTGCCCTGCCGTCCACCGGAGGGCATCCCTCCAGCCGAGGTGGAG	546
Db	631		
Db	631	GAAGGCATGATTGTACTGCACTGCCGCCACAGAGGGAGTCCCTGCTGCCGAGGTGGAA	690
Qy	547	TGGCTCCGAAACGAGGACCTGGTGGACCCGCTGGACCCCAATGTATAACATCACGCCG	606
Db	691		
Db	691	TGGCTGAAAAATGAAGAGCCCATTGACTCTGAACAAGACGAGAACATTGACACCAGGGCT	750
Qy	607	GAGCACAGCCTGGTGGTGCACAGGCCCGCCTGCTGACACGCCAACTACACCTGCGTG	666
Db	751		
Db	751	GACCATAACCTGATCATCAGGCAGGCACGGCTCTGGACTCAGGAAATTACACCTGCATG	810
Qy	667	GCCAAGAACATCGTGGCACGTGCCGCAGCGCCTCCGCTGCTGTACATCGTACGTGAAC	726
Db	811		
Db	811	GCAGCCAACATCGTGGCTAAGAGGAAGCCTGTCGCCACTGTTGTGGTACGTGGAT	870
Qy	727	GGTGGGTGGTCGACGTGGACCGAGTGGTCCGTCTGCAGCGCCAGCTGTGGCGCGCTGG	786
Db	871		
Db	871	GGGAGCTGGGAAGTGTGGAGCGAATGGTCCGTCTGCAGTCCAGAGTGTGA-----A	921
Qy	787	CAGAACGGAGCCGGAGCTGCACCAACCCGGCCCTCTCACGGGGCGCTTCTGTGAG	846
Db	922		
Db	922	CATTTGCGGATCCGGAGTGCACAGCACCAACCCCCGAGAAATGGGGCAAATTCTGTGAA	981
Qy	847	GGGCAGAACATGTCCAGAAAACAGCCTGCGCCACCCCTGTGCCAGTAGACGGCAGCTGGAGC	906
Db	982		
Db	982	GGTCTAACGCCAGGAATCTGAAAACCTGACAGATGGTCTTGCATCCTAGATAAAAAACCT	1041
Qy	907	CCGTGGAGCAAGTGGCGGCCCTGTGGGCTGGACTGCACCCACTGGCGAGCCGTGAGTGC	966
Db	1042		
Db	1042	CTTCATGAAATAAAACCCAAAGCATTGAGAATGCCAGCGACATTGCTTGTACTCGGGC	1101
Qy	967	TCTGACCCAGCACCCCGCAACGGAGGGAGGAGTGCCAGGGACTGACCTGGACACCCGC	1026
Db	1102		
Db	1102	TTGGGTGCTGCCGTGGCGTTGCAGTCCTGGTCAATTGGTGTACCGCTTACAGACGG	1161
Qy	1027	AACTGTACCAAGTGACCTCTGTGTACACAGTGCTTCTGGCCCTGAGGACGTGGCCCTAT	1086
Db	1162		
Db	1162	AGCCAGAGTGACTATGGCGTGGACGTATTGACTCTTCTGCATTGACAGGTGGCTTCCA-	1220
Qy	1087	GTGGGCCTCATCGCCGTGGCGTCTGCCCTGGTCTGCTGCTGCTTGTCTCATCCTCGTT	1146
Db	1221		
Db	1221	--GACCTTCAACTCAAAACAGTCCGTCAAGCCAAGAATATCATGGAACATAATGATAACAA	1278

Qy	1147	TATTGCCCGAAGAAGGGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTCACCTCA	1206
Db	1279	GAAAAATCCTTGGAACCTCCCTGCTCCTGAATTCTGCCATGCAGCCAGATCTGACAGTG	1338
Qy	1207	GGCTTCAGCCCGTCAGCATCAAGCCCAGCAAAGCAGACAACCCCCATCTGCTCACCATC	1266
Db	1339	AGCCGGACATACAGCGGACCCATCTGTCAGGACCCCTGGACAAGGAGCTCATGACA	1398
Qy	1267	CAGCCGGACCTCAGCACCAACCACCACTACCAGGGCAGTCTCTGTCCCCGGCAGGAT	1326
Db	1399	GAGTCCTCACTTTAACCCCTTGTGCGACATCAAAGTGAAGTCCAGAGCTCGTTCATG	1458
Qy	1327	GGGCCAGCCCCAAGTCCAGCTCACCAATGGGCACCTGCTCAGCCCCCTGGTGGCGGC	1386
Db	1459	GTTCCTGGAGTGTCTGAGAGAGCTGAGTACACGGCAAGAATCATTCCAGGACTTTT	1518
Qy	1387	CGCCACACACTGCACCACAGCTCTCCACCTCTGAGGCCAGGAGTTCGTCTCCGCCCTC	1446
Db	1519	CCCCATGGAAACAACCACAGCTTAGTACAATGCATCCCAGAAATAATGCCCTACATC	1578
Qy	1447	TCCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGAACATGACCTATGGGACC	1506
Db	1579	CAAAATCTGTC-----ATCACTCCCCACAAGGACAGAACTGAGGACAATGGTGTGTC	1629
Qy	1507	TTCAACTTCCTCGGGGCCGGCTGATGATCCCTAATACAGGTATCAGCCTCCTCATCCCC	1566
Db	1630	TTTGGCCATTAGGGGGCGCTTAGTAATGCCAATACAGGGGTGAGCTTACTCATACCA	1689
Qy	1567	CCAGATGCCATACCCCGAGGGAAGATCTATGAGATCTACCTCACGCTGCACAAGCCGGAA	1626
Db	1690	CACGGTGCCATCCAGAGGAGAATTCTGGAGATTATATGTCCAT---CAACCAAGGT	1746
Qy	1627	GACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCATCGTTAGCTGTGGA	1686
Db	1747	GAACCCAGCCTCAGTCAGATGGCTCTGAGGTGCTCCTGAGTCCTGAAGTCACCTGTGGT	1806
Qy	1687	CCCCCTGGCGTCCTGCTCACCGGCCAGTCATCCTGGCTATGGACCACGTGGGGAGCCC	1746
Db	1807	CCTCCAGACATGATCGTCAACCACTCCCTTGCATTGACCATCCCGCACTGTGCAGATGTC	1866
Qy	1747	AGCCCTGACAGCTGGAGCCTGCGCCTCAAAAGCAGTCGTGCGAGGGCAGCTGGGAGGAT	1806
Db	1867	AGTTCTGAGCATTGGAATATCCATTAAAGAAGAGGGACACAGCAGGGCAAATGGGAGGAA	1926
Qy	1807	GTGCTGCACCTGGCGAGGGAGGCGCCCTCCCACCTCTACTACTGCGAGCTGGAGGCCAGT	1866
Db	1927	GTGATGTCAGTGGAAAGATGAATCTACATC-----CTGTTACTGCCTTTGGACCCCTT	1980
Qy	1867	GCCTGCTACGTCTCACCGAGCAGCTGGGCCCTTGCCTGGTGGAGAGGCCCTCAGC	1926
Db	1981	GCCTGTCATGTGCTCCTGGACAGCTTGGACCTATGCGCTCACTGGAGAGCCAATCACA	2040
Qy	1927	GTGGCTGCCAGCGCTCAAGCTGCTTCTGTTGCAGCCGGTGGCCTGCACCTCCCTC	1986
Db	2041	GACTGTGCCGTGAAGCAACTGAAGGTGGCGGTTTGGCTGCATGTCTGTAACTCCCTG	2100

Qy	1987	GAGTACAACATCCGGGTCTACTGCCTGCATGACACCCACGATGCCTCAAGGAGGTGGTG	2046
Db	2101	GATTACAACTTGAGAGTTACTGTGTGGACAATACCCCTGTGCATTTCAGGAAGTGGTT	2160
Qy	2047	CAGCTGGAGAACGAGCTGGGGGGACAGCTGATCCAGGAGCCACGGTCCTGCACCTCAAG	2106
Db	2161	TCAGATGAAAGGCATCAAGGTGGACAGCTCCTGGAAAGAACCAAAATTGCTGCATTCAA	2220
Qy	2107	GACAGTTACCACAACCTGCGCCTATCCATCCACGATGTGCCAGCTCCCTGTGAAAGAGT	2166
Db	2221	GGGAATACCTTAGTCTCAGATTCTGCCTTGATATTCCCCATTCCCTCTGGAGAATT	2280
Qy	2167	AAGCTCCTTGTCACTACCAGGAGATCCCCTTTATCACATCTGGAATGGCACGCAGCGG	2226
Db	2281	AAACCATTCACTGCCTGCCAGGAAGTCCCCTCTCCCGGTGTGGTGCAGTAACCGGCAG	2340
Qy	2227	TACTTGCACTGCACCTTCACCCCTGGAGCGTGTCAAGCCCCAGCACTAGTGACCTGGCCTGC	2286
Db	2341	CCCCTGCACTGTGCCTTCTCCCTGGAGCGTTACGCCACTACCACCCAGCTGTGCCTGC	2400
Qy	2287	AAGCTGTGGGTGTGGCAGGTGGAGGGCAGGGCAGAGCTTCAGCATCAACTTAACATC	2346
Db	2401	AAAATCTGCATTGGCAGCTAAAGGCCATGAACAGATCCTCCAAGTGCAGACATCAATC	2460
Qy	2347	ACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGTCCAGCC	2406
Db	2461	CTAGAGAGTGAACGAGAAACCATCACTTCTCGACAAGAGGACAGCACTTCCCTGCA	2520
Qy	2407	CTGGTGGCCCCAGTGCCTCAAGATCCCCTCATTGGCAGAAGATAATTCCAGC	2466
Db	2521	CAGACTGGCCCCAAAGCCTCAAAATTCCCTACTCCATCAGACAGCGGATTGTGCTACA	2580
Qy	2467	CTGGACCCACCTGTAGGCAGGGTGCCACTGGCGGACTCTGGCCCAGAAACTCCACCTG	2526
Db	2581	TTTGATACCCCCAATGCCAACAGCAAGGACTGGCAGATGTTAGCACAGAAAAACAGCATC	2640
Qy	2527	GACAGCCATCTCAGCTTCTTGCCTCCAAGGCCAGCCCCACGCCATGATCCTCACCTG	2586
Db	2641	AACAGGAATTATCTTATTCGCTACACAAAGTAGCCCATCTGCTGTATTGAAACCTG	2700
Qy	2587	TGGGAGGGCGGGACTTCCCCAACGGAACCTCAGCCAGCTGGCTGCAGCAGTGGCTGGA	2646
Db	2701	TGGGAAGCTCGTCATCAGCATGATGGTGTACTTGCAGTCCCTGGCCTGTGCCCTGAAGAG	2760
Qy	2647	CTGGGCCAGCCAGACGCTGGCCTCTTACAGTGTGGAGGCTGAG	2691
Db	2761	ATTGGGAGGACACACAGAACACTCTAAACATTTCAGAACATCCCAG	2805

RESULT 10

US-09-969-532-11

; Sequence 11, Application US/09969532

Patent No. 6777232

GENERAL INFORMATION:

APPLICANT: Walke, D. Wade

APPLICANT: Scoville, John

; TITLE OF INVENTION: No. 6777232el Human Membrane Proteins and Polynucleotides
Encoding the Same
; FILE REFERENCE: LEX-0244-USA
; CURRENT APPLICATION NUMBER: US/09/969,532
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US 60/237,280
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 2703
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-969-532-11

Query Match 17.3%; Score 467; DB 4; Length 2703;
 Best Local Similarity 51.0%; Pred. No. 1.5e-96;
 Matches 1307; Conservative 0; Mismatches 1195; Indels 63; Gaps 6;

Qy	127	CTTCCCCACTTCCTGGTGGAGCCCGAGGATGTGTACATCGTCAGAACACAAGCCAGTGCTG	186
Db	157	CTGCCTCATTTCATAGAGGAGCCAGATGATGCTTATATTCAAGAGCAACCCATTGCA	216
Qy	187	CTTGTGTGCAAGGCCGTGCCGCCACGCAGATCTCTCAAGTGCAACGGGAGTGGTG	246
Db	217	CTCAGGTGCAAAGCGAGGCCAGCATGCAGATATTCTCAAATGCAACGGCGAGTGGTC	276
Qy	247	CGCCAGGTGGACCACGTGATCGAGCGCAGCACAGACGGGAGCAGTGGCTGCCACCATG	306
Db	277	CATCAGAACGAGCACGTCTCTGAAGAGAGCTCTGGACGAGAGCTCAGGTTGAAGGCCCG	336
Qy	307	GAGGTCCGCATTAATGTCTCAAGGCAGCAGGTCGAGAAGGTGTTGGGCTGGAGGAATAC	366
Db	337	GAAGTGTTCATCAATGTTACTAGGCAACAGGTGGAGGACTTCCATGGGCCCCGAGGACTAT	396
Qy	367	TGGTGCCAGTGCCTGGCATGGAGCTCCTGGGCACCACCAAGAGTCAGAACGCCATACATC	426
Db	397	TGGTGCCAGTGTGTGGCGTGGAGCCACCTGGTACCTCCAAGAGCAGGAAGGCCCTCTGTG	456
Qy	427	CGCATAGCCAGATTGCGCAAGAACTTCGAGCAGGAGCCGTGGCCAAGGAGGTGTCCCTG	486
Db	457	CGCATAGCCTATTACGGAAAAACTTGAACAAGACCCACAAGGAAGGAAGTTCCATT	516
Qy	487	GAGCAGGGCATCGTGTGCCCTGCCGTCCACCGGAGGGCATCCCTCCAGCCGAGGTGGAG	546
Db	517	GAAGGCATGATTGTACTGCAGTGCAGGCCACCAAGAGGGAGTCCCTGCTGCCGAGGTGGAA	576
Qy	547	TGGCTCCGGAACGAGGACCTGGTGGACCCGTCCCTGGACCCCCAATGTATAACATCACCGCG	606
Db	577	TGGCTGAAAATGAAGAGCCATTGACTCTGAACAAGACGAGAACATTGACACCAGGGCT	636
Qy	607	GAGCACAGCCTGGTGGTGCAGAGGCCGCTTGCTGACACGGCCAATCACACCTGCGTG	666
Db	637	GACCATAACCTGATCATCAGGCAGGCACGGCTCTGGACTCAGGAAATTACACCTGCATG	696
Qy	667	GCCAAGAACATCGTGGCACGTGCGCCAGCGCCTCCGCTGCTGTACGTACGTGAAC	726

Db	697	GCAGCCAACATCGTGGCTAAGAGGAGAACGCCACTGTTGTGGTACGTGGAT	756
Qy	727	GGTGGGTGGTCGACGTGGACCGAGTGGTCCGTCTGCAGGCCAGCTGTGGCGCGCTGG	786
Db	757	GGGAGCTGGGAAGTGTGGAGCGAATGGTCCGTCTGCAGTCCAGAGTGTG-----AA	807
Qy	787	CAGAAACGGAGCCGGAGCTGCACCAACCCGGCCCTCTCACGGGGCGCTTCTGTGAG	846
Db	808	CATTGCGGATCCGGAGTGCACAGCACCACCCCCGAGAAATGGGGCAAATTCTGTGAA	867
Qy	847	GGGCAGAAATGTCCAGAAAACAGCCTGCGCCACCCCTGTGCCAGTAGACGGCAGCTGGAGC	906
Db	868	GGTCTAAGCCAGGAATCTGAAAATGCACAGATGGTCTTGACCTAGGCATTGAGAAT	927
Qy	907	CCGTGGAGCAAGTGGTGGCCGTGAGCTGCACCCACTGGGGAGCCGTGAGTGC	966
Db	928	GCCAGCGACATTGCTTGTACTCGGGCTTGG-----GTGC	962
Qy	967	TCTGACCCAGCACCCGCAACGGAGGGAGGAGTGCAGGGCACTGACCTGGACACCCGC	1026
Db	963	TGCCGTCGTGGCCGTGAGTCCTGGTATTGGTGTCAACCTTACAGACGGA-----	1015
Qy	1027	AACTGTACCAGTGACCTCTGTGTACACAGTGCCTCTGCCCTGAGGACGTGCCCTCTAT	1086
Db	1016	---GCCAGAGTGACTATGGCGTGGACGTCAATTGACTCTCTGCATTGACAGGTGGCTTC	1071
Qy	1087	GTGGGCCTCATGCCGTGGCCGTCTGCCCTGGTCTGCTGCTGCTTGTCCCTCATCCTCGTT	1146
Db	1072	CAGACCTTCAACTTCAAAACAGTCCGTCAAGCCAAGAATATCATGAACTAATGATAACAA	1131
Qy	1147	TATTGCCGGAAGAAGGGAGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTCACCTCA	1206
Db	1132	GAAAAATCCTTGGTAACTCCCTGCTCCTGAATTCTGCCATGCAGCCAGATCTGACAGTG	1191
Qy	1207	GGCTTCCAGCCC GT CAGCATCAAGCCCAGCAAAGCAGACAACCCCCATCTGCTCACCATC	1266
Db	1192	AGCCGGACATACAGCGGACCCATCTGTCTGCAGGACCCCTGGACAAGGAGCTATGACA	1251
Qy	1267	CAGCCGGACCTCAGCACCAACCACCACTACCAGGGCAGTCTCTGTCCCCGGCAGGAT	1326
Db	1252	GAGTCCTCACTCTTAAACCCCTTGTGGACATCAAAGTGAAGAGCTGAGTACCAAGGCAAGAATCATTCCAGGACTTT	1311
Qy	1327	GGGCCAGCCCCAAGTCCAGCTCACCAATGGGCACCTGCTCAGCCCCCTGGTGGCGGC	1386
Db	1312	TTTCCCTGGGAGTGTCTGAGAGAGCTGAGTACCAAGGCAAGAATCATTCCAGGACTTT	1371
Qy	1387	CGCCACACACTGCACACAGCTCTCCACCTCTGAGGCCGAGGAGTTCGTCTCCGCC	1446
Db	1372	CCCCATGGAAACAACCACAGCTTACATGCATCCCAGAAATAATGCCCTACATC	1431
Qy	1447	TCCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGCAACATGACCTATGGGACC	1506
Db	1432	AAAATCTGTC-----ATCACTCCCCACAAGGACAGAACTGAGGACAACGGTGT	1482
Qy	1507	TTCAACTTCCCTGGGGCCGGCTGATGATCCCTAACAGGTATCAGCCTCCTCATCCCC	1566
Db	1483	TTTGGCCATTAGGGGGCGCTAGTAATGCCAAATACAGGGTGAGCTACTCATACCA	1542

Qy	2407	CTGGTGGGCCCAAGTCCTCAAGATCCCCTCATTGGCAGAAGATAATTCAGC . .	2466
Db	2374	CAGACTGGCCCCAAAGCCTCAAAATTCCCTACTCCATCAGACAGCGGATTGTGCTACA	2433
Qy	2467	CTGGACCACCCCTGTAGGCAGGGTGCCGACTGGCGGACTCTGGCCCAGAAACTCCACCTG 	2526
Db	2434	TTTGATACCCCAATGCCAAAGGCAAGGACTGGCAGATGTTAGCACAGAAAAACAGCATC	2493
Qy	2527	GACAGCCATCTCAGCTTCTTGCCCTCCAAGGCCAGCCCCACAGCCATGATCCTAACCTG 	2586
Db	2494	AACAGGAATTATCTTATTCGCTACACAAAGTAGCCCATCTGCTGTCAATTGAACCTG	2553
Qy	2587	TGGGAGGCGCGGCACTTCCCCAACGGAACCTCAGCCAGCTGGCTGCAGCAGTGGCTGGA 	2646
Db	2554	TGGGAAGCTCGTCATCAGCATGATGGTATCTGACTCCCTGGCTGTGCCCTTGAAGAG	2613
Qy	2647	CTGGGCCAGCCAGACGCTGGCTCTTCACAGTGTGGAGGCTGAG 	2691
Db	2614	ATTGGGAGGACACACACGAAACTCTCAAACATTTCAGAATCCAG	2658

RESULT 11

US-09-969-532-13

; Sequence 13, Application US/09969532

Patent No. 6777232

; GENERAL INFORMATION:

; APPLICANT: Walke, D. Wade

; APPLICANT: Scoville, John
; TITLE OF INVENTION: No. 6777232el Human Membrane Proteins and Polynucleotides
Encoding the Same

ENCODING THE SAME

: CURRENT APPLICATION NUMBER: US/09/969 532

CURRENT APPLICATION NUMBER: 03/0

CURRENT FILING DATE: 2001-10-02
BRIEF APPLICATION NUMBER: US 60/337

PRIOR APPLICATION NUMBER: 33
PRIOR FILING DATE: 2000-10-02

, FILING DATE: 2000-10-02
: NUMBER OF SEQ ID NOS: 33

SOFTWARE: FastSEQ for Windows

; SOFTWARE: fastSEQ for Wi
; SEQ ID NO. 13

; LENGTH: 269

; LENGTH: 2

ORGANISM: homo sapiens

US-09-969-532-13

65 66 67 68 69 70 71 72 73

Query Match 17.1% Score 460.2 DB 4

Best Local Similarity 51.98: Pred. No. 5 1e-95:

Autumn 1999, CONSULTATIVE by MISCELLANEOUS 1103, INDEX 727, CAPS 10

Ov 127 CTTCCCCACTTCCTGGTGGAGCCCGAGGATGTGTACATCGTCAAGAACAAAGCCAGT

21. [View all posts by admin](#) | [Comment](#) | [Edit](#)

Pb 157 CTGCTCATTTAGAGGAGCAGATGATGCTTATATTATCAAGAGCAACCTATTGCA 216

Ov 187 CTTGTGTGCAAGGCCGTGCCGCACGCAGATCTTCTTCAGTGCAACGGGGAGTGGGTG 246

11
12

www.english-test.net

Qy 247 CGCCAGGTGGACCACGTGATCGAGCGCAGCACAGACGGGAGCAGTGGGCTGCCAACCATG 306

Qy	1147	TATTGCCGGAAGAAGGAGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTCACCTCA	1206
Db	1156	TCTGCCATGCA-----GCCAGATCTGACAGTGAGCCGGACATAACAGCGGACCCATCT	1207
Qy	1207	GGCTTCAGCCCGTCAGCATCAAGCCCAGCAAAGCAGACAACCCCCATCTGCTCACCATC	1266
Db	1208	GTCTGCAGGACCCTCTGGACAAGG---AGCTCATGACAGAGTCCTCACTCTTAACCCCTT	1264
Qy	1267	CAGCCGGACCTCAGCACCAACCACCACTACCAGGGCAGTCTCTGTCCCCGGCAGGAT	1326
Db	1265	TGTCGGACATCAAAGTGAAAGTCCAGAGCTCGTTATGGTTCCCTGGGAGTGTCTGAGA	1324
Qy	1327	GGGCCAGCCCCAAGTTCCAGCTCACCAATGGCACCTGCTCAGCCCCCTGGTGGCGGC	1386
Db	1325	GAGCTGAGTACCA CGG AAGAACATCATTCCAGGACTTT-----	1362
Qy	1387	CGCCACACACTGCACCACAGCTCTCCCACCTCTGAGGCCAGGAGTTCGTCTCCGCCTC	1446
Db	1363	CCCCATGGAAACAACCACAGCTTAGTACAATGCATCCCAGAAATAATGCCCTACATC	1422
Qy	1447	TCCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGAACATGACCTATGGGACC	1506
Db	1423	CAAAATCTG-----TCATCACTCCCCACAAGGACAGAACACTGAGGACA ACTGGT GTC	1473
Qy	1507	TTCAACTTCCTCGGGGGCCGGCTGATGATCCCTAATACAGGTATCAGCCTCCTCATCCC	1566
Db	1474	TTTGGCCATTAGGGGGCGCTTAGTAATGCCAATACAGGGGTGAGCTTACTCATACCA	1533
Qy	1567	CCAGATGCCATACCCCGAGGGAAGATCTATGAGATCTACCTCACGCTGCACAAGCCGGAA	1626
Db	1534	CACGGTGCCATCCAGAGGAGAATTCTGGAGATTATATGTCCAT---CAACCAAGGT	1590
Qy	1627	GACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCATCGTTAGCTGTGGA	1686
Db	1591	GAACCCAGCCTCCAGTCAGATGGCTCTGAGGTGCTCCTGAGTCCTGAAGTCACCTGTGGT	1650
Qy	1687	CCCCCTGGCGTCCTGCTCACCGGCCAGTCATCCTGGCTATGGACCACGTGGGAGCCC	1746
Db	1651	CCTCCAGACATGATCGTCAACCCTTGCATTGACCATCCCGCACTGTGCAGATGTC	1710
Qy	1747	AGCCCTGACAGCTGGAGCCTGCGCCTCAAAAAGCAGTCGTGCGAGGGCAGCTGGGAGGAT	1806
Db	1711	AGTTCTGAGCATTGGAATATCCATTAAAGAAGAGGGACACAGCAGGGCAAATGGGAGGAA	1770
Qy	1807	GTGCTGACCTGGCGAGGAGGCGCCCTCCACCTCTACTACTGCCCAGCTGGAGGCCAGT	1866
Db	1771	GTGATGTCAGTGGAAAGATGAATCTACATC-----CTGTTACTGCCTTTGGACCCCTT	1824
Qy	1867	GCCTGCTACGTCTCACCGAGCAGCTGGCCGCTTGCCTGGTGGAGAGGCCCTCAGC	1926
Db	1825	GCGTGTACGTGCTCCTGGACAGCTTGGACCTATGCGCTACTGGAGAGCCAATCACA	1884
Qy	1927	GTGGCTGCCAGCGCCTCAAGCTGCTTGTGCGCCGGTGGCCTGCACCTCCCTC	1986
Db	1885	GA CTGTG CCGTGAAGCAACTGAAGGTGGCGGTTGGCTGCATGTCTGTAA CTCC TG	1944

Qy	1987	GAGTACAACATCCGGGTCTACTGCCTGCATGACACCCACGATGCAGTCAGGAGGTGGTG	2046
Db	1945	GATTACAACTTGAGAGTTACTGTGTGGACAATACCCCTTGTGCATTTCAGGAAGTGGTT	2004
Qy	2047	CAGCTGGAGAACGAGCTGGGGGACAGCTGATCCAGGAGCCACGGTCCTGCACTCAAG	2106
Db	2005	TCAGATGAAAGGCATCAAGGTGGACAGCTCCTGGAAGAACCAAAATTGCTGCATTCAA	2064
Qy	2107	GACAGTTACCACAAACCTGCGCCTATCCATCCACGATGTGCCAGCTCCCTGTGAAAGAGT	2166
Db	2065	GGGAATACCTTAGTCTCAGATTCTGTCCCTGATATTCCCCATTCCCTGTGGAGAATT	2124
Qy	2167	AAGCTCCTTGTCACTACCAACCTGGAGGAGATCCCCTTTATCACATCTGGAATGGCACGCAGCGG	2226
Db	2125	AAACCATTCACTGCCTGCCAGGAAGTCCCCTCTCCGCGTGTGGTGCAGTAACCGGCAG	2184
Qy	2227	TACTTGCACTGCACCTTCACCCCTGGAGCGTGTCAAGCCCCAGCACTAGTGACCTGGCCTGC	2286
Db	2185	CCCCTGCACTGTGCCCTCTCCCTGGAGCGTTACGCCACTACCACCCAGCTGTCCCTGC	2244
Qy	2287	AAGCTGTGGGTGTGGCAGGTGGAGGGCAGGGCAGAGCTTCAGCATCAACTTAACATC	2346
Db	2245	AAAATCTGCATTGGCAGCTAAAGGCCATGAACAGATCCTCCAAGTGCAGACATCAATC	2304
Qy	2347	ACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGTCCAGCC	2406
Db	2305	CTAGAGAGTGAACGAGAAACCATCACTTCTTCGACAAGAGGACAGCACTTCCCTGCA	2364
Qy	2407	CTGGTGGCCCCAGTGCCTCAAGATCCCCTCATTGGCAGAAGATAATTCCAGC	2466
Db	2365	CAGACTGGCCCCAAAGCCTCAAAATTCCCTACTCCATCAGACAGCGGATTGTGCTACA	2424
Qy	2467	CTGGACCCACCTGTAGGCAGGGTGCCACTGGCGACTCTGGCCCAGAAACTCCACCTG	2526
Db	2425	TTTGATAACCCCAATGCCAAGGCAAGGACTGGCAGATGTTAGCACAGAAAAACAGCATC	2484
Qy	2527	GACAGCCATCTCAGCTTCTTGCCTCCAAGGCCAGCCCCACGCCATGATCCTAACCTG	2586
Db	2485	AACAGGAATTATCTTATTCGCTACACAAAGTAGCCCATCTGCTGTATTGAAACCTG	2544
Qy	2587	TGGGAGGGCGGGCACTTCCCCAACGCCAACCTCAGCCAGCTGGCTGCAGCAGTGGCTGGA	2646
Db	2545	TGGGAAGCTCGTCATCAGCATGATGGTGTACTTGCAGTCCCTGGCCTGTGCCCTGAAGAG	2604
Qy	2647	CTGGGCCAGCCAGACGCTGGCCTCTCACAGTGTGGAGGCTGAG	2691
Db	2605	ATTGGGAGGACACACAGAACTCTAAACATTTCAGAATCCCAG	2649

RESULT 12

US-09-969-532-15

; Sequence 15, Application US/09969532

Patent No. 6777232

GENERAL INFORMATION:

APPLICANT: Walke, D. Wade

APPLICANT: Scoville, John

Qy	1567	CCAGATGCCATACCCGAGGGAAAGATCTATGAGATCTACCTCACGCTGCACAAGCCGGAA.	1626
Db	1501	CACGGTGCATCCCAGAGGAATTCTGGAGATTATATGTCCAT---CAACCAAGGT	1557
Qy	1627	GACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCGCTGAGTCCCATCGTAGCTGTGGA	1686
Db	1558	GAACCCAGCCTCCAGTCAGATGGCTCTGAGGTGCTCCTGAGTCCTGAAGTCACCTGTGGT	1617
Qy	1687	CCCCCTGGCGTCCTGCTCACCCGGCCAGTCATCCTGGCTATGGACCACGTGGGGAGCCC	1746
Db	1618	CCTCCAGACATGATCGTCAACACTCCCTTGCAATTGACCATCCCGCACTGTGCAGATGTC	1677
Qy	1747	AGCCCTGACAGCTGGAGCCTGCGCCTCAAAAAGCAGTCGTGCGAGGGCAGCTGGGAGGAT	1806
Db	1678	AGTTCTGAGCATTGGAAATATCCATTAAAGAAGAGGACACAGCAGGGCAAATGGGAGGAA	1737
Qy	1807	GTGCTGACACTGGCGAGGAGGCAGCCCTCCCACCTCTACTACTGCCAGCTGGAGGCCAGT	1866
Db	1738	GTGATGTCAGTGGAAAGATGAATCTACATC-----CTGTTACTGCCTTTGGACCCCTT	1791
Qy	1867	GCCTGCTACGTCTCACCGAGCAGCTGGCCGCTTGCCTGGAGAGGCCCTCAGC	1926
Db	1792	GCCTGTCATGTGCTCCTGGACAGCTTGGACCTATGCGCTCACTGGAGAGCCAATCACA	1851
Qy	1927	GTGGCTGCCGCCAAGCGCCTCAAGCTGCTTCTGTTGCGCCGGTGGCCTGCACCTCCCTC	1986
Db	1852	GACTGTGCCGTGAAGCAACTGAAGGTGGCGTTTTGGCTGCATGTCCTGTAACCTCCCTG	1911
Qy	1987	GAGTACAACATCCGGGTCTACTGCCTGCATGACACCCACGATGCACTCAAGGAGGTGGTG	2046
Db	1912	GATTACAACTTGAGAGTTACTGTGTGGACAATACCCCTGTGCATTTAGGAAGTGGTT	1971
Qy	2047	CAGCTGGAGAAGCAGCTGGGGGACAGCTGATCCAGGAGCCACGGGTCTGCACTCAAG	2106
Db	1972	TCAGATGAAAGGCATCAAGGTGGACAGCTCCTGGAAAGAACCAAAATTGCTGCATTCAAA	2031
Qy	2107	GACAGTTACCACAAACCTGCCTATCCATCCACGATGTGCCAGCTCCCTGTGGAAGAGT	2166
Db	2032	GGGAATACCTTAGTCTCAGATTCTGCTTGTGATATTCCCCATTCCCTGTGGAGAATT	2091
Qy	2167	AAGCTCCTGTCAGCTACCAAGGAGATCCCTTTATCACATCTGGAATGGCACGCAGCGG	2226
Db	2092	AAACCATTCACTGCCTGCCAGGAAGTCCCCTGTCCTGGAGCGTTATACGCCACTACCACCCAGCTGTCCCTGC	2151
Qy	2227	TACTTGCACTGCACCTTCACCCCTGGAGCGTGTCAAGCCCCAGCACTAGTGACCTGGCCTGC	2286
Db	2152	CCCCTGCACTGTGCCCTCTCCCTGGAGCGTTATACGCCACTACCACCCAGCTGTCCCTGC	2211
Qy	2287	AAGCTGTGGGTGTGGCAGGTGGAGGGGACGGGCAGAGCTTCAGCATCAACTTCAACATC	2346
Db	2212	AAAATCTGCATTGGCAGCTAAAGGCATGAACAGATCCTCCAAGTGCAGACATCAATC	2271
Qy	2347	ACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGTCCAGCC	2406
Db	2272	CTAGAGAGTGAACGAGAAACCATCACTTCTCGCACAAGAGGGACAGCACTTCCCTGCA	2331

RESULT 13

US-09-471-276-345
; Sequence 345, Application US/09471276
; Patent No. 6822072
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6822072
; FILE REFERENCE: GENSET.025CP1
; CURRENT APPLICATION NUMBER: US/09/471,276
; CURRENT FILING DATE: 1999-12-21
; EARLIER APPLICATION NUMBER: 09/057,719
; EARLIER FILING DATE: 1998-04-09
; EARLIER APPLICATION NUMBER: 09/069,047
; EARLIER FILING DATE: 1998-04-28
; EARLIER APPLICATION NUMBER: PCT/IB99/00712
; EARLIER FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 1622
; SOFTWARE: Patent.pm
; SEQ ID NO 345
; LENGTH: 349
; TYPE: DNA
; ORGANISM: Homo sapiens ..
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 207..347
; NAME/KEY: sig_peptide
; LOCATION: 207..278
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 5.40000009536743
; OTHER INFORMATION: seq SCCCLSSSSFIAG/RR

RESULT 14

US-09-969-532-31
; Sequence 31, Application US/09969532
; Patent No. 6777232
; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Scoville, John
; TITLE OF INVENTION: No. 6777232el Human Membrane Proteins and Polynucleotides
Encoding the Same
; FILE REFERENCE: LEX-0244-USA
; CURRENT APPLICATION NUMBER: US/09/969,532
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US 60/237,280
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 31
; LENGTH: 1968
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-969-532-31

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Query Match           10.9%;  Score 293.2;  DB 4;  Length 1968;
Best Local Similarity 53.7%;  Pred. No. 4.9e-57;
Matches 657;  Conservative 0;  Mismatches 558;  Indels 9;  Gaps 2;

Qy      1468 TCCCTGCCCGAGGCACCAAGAACATGACCTATGGGACCTTCAACTCCTCGGGGGCCGG 1527
          || || ||| | | ||| | |||| | ||| | ||| | | | |||| | |
Db      709 TCACTCCCCACAAGGACAGAACTGAGGACAACGGGTGTCTTGGCCATTAGGGGGCGC 768

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Qy	1528	CTGATGATCCCTAATACAGGTATCAGCCTCCTCATCCCCCAGATGCCATACCCGAGGG	1587
Db	769	TTAGTAATGCCAAATAACAGGGGTGAGCTTACTCATACCACACGGTGCCATCCCAGAGGGAG	828
Qy	1588	AAGATCTATGAGATCTACCTCACGCTGCACAAGCCGGAAGACGTGAGGTTGCCCTAGCT	1647
Db	829	AATTCTTGGGAGATTATATGTCCATCAACCAAGGTGAACCC---AGCCTCCAGTCAGAT	885
Qy	1648	GGCTGTCAGACCCTGCTGAGTCCCATCGTAGCTGTGGACCCCTGGCGTCTGCTCACC	1707
Db	886	GGCTCTGAGGTGCTCCTGAGTCCTGAAGTCACCTGTGGTCCCTCAGACATGATCGTCACC	945
Qy	1708	CGGCCAGTCATCCTGGCTATGGACCACTGTGGGGAGCCAGCCCTGACAGCTGGAGCCTG	1767
Db	946	ACTCCCTTGCATTGACCATCCCGCACTGTGCAGATGTCAGTTCTGAGCATTGGAATATC	1005
Qy	1768	CGCCTCAAAAAGCAGTCGTGCGAGGGCAGCTGGGAGGATGTGCTGCACCTGGCGAGGAG	1827
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Qy	1828	GCGCCCTCCCACCTCTACTACTGCCAGCTGGAGGCCAGTGCCTGCTACGTCTCACCGAG	1887
Db	1066	TCTACATC-----CTGTTACTGCCTTTGGACCCCTTGCCTGTCATGTGCTCCTGGAC	1119
Qy	1888	CAGCTGGCCGCTTGCCTGGTGGAGAGGCCCTCAGCGTGGCTGCCGCCAGCGCC	1947
Db	1120	AGCTTGGACCTATGCGCTCACTGGAGAGCCAATCACAGACTGTGCCGTGAAGCAACTG	1179
Qy	1948	AAGCTGTTCTGTTGCCTGGCTGCCCTGCACCTCCCTCGAGTACAACATCCGGTCTAC	2007
Db	1180	AAGGTGGCGTTTTGGCTGCATGTCCCTGTAACTCCCTGGATTACAACTTGAGAGTTAC	1239
Qy	2008	TGCCTGCATGACACCCACGATGCACTCAAGGAGGTGGTGCAGCTGGAGAACAGCTGGG	2067
Db	1240	TGTGTGGACAATACCCCTTGTGCATTTCAGGAAGTGGTTCAGATGAAAGGCATCAAGGT	1299
Qy	2068	GGACAGCTGATCCAGGAGCCACGGGTCTGCACTTCAAGGACAGTTACCACAACTGCGC	2127
Db	1300	GGACAGCTCCTGGAAGAACAAAATTGCTGCATTCAAAGGAATACCTTAGTCTTCAG	1359
Qy	2128	CTATCCATCCACGATGTGCCAGCTCCCTGTGAAGAGTAAGCTCCTGTCAGCTACCA	2187
Db	1360	ATTCTGTCCTTGATATTCCCCATTCTGAGAATTAAACCATTCACTGCCTGCCAG	1419
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Db	1420	GAAGTCCCGTTCTCCCGGTGTGGTGCAGTAACCGGCAGCCCTGCACTGTGCCTCTCC	1479
Qy	2248	CTGGAGCGTGTCAAGCCCCAGCACTAGTGACCTGGCCTGCAAGCTGTGGGTGTGGCAGGTG	2307
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Qy	2308	GAGGGCGACGGGCAGAGCTTCAGCATCAACTCAACATCACCAAGGACACAAGGTTGCT	2367
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Qy	2488	GGTGCCGACTGGCGGACTCTGGCCCAGAAACTCCACCTGGACAGCCATCTCAGCTTCTTT 2547
Db	1720	GGCAAGGACTGGCAGATGTTAGCACAGAAAAAACAGCATCAACAGGAATTATCTTATTC 1779
Qy	2548	GCCTCCAAGCCCCAGCCCCACAGCCATGATCCTCAACCTGTGGGAGGCGCGGCACCTCCCC 2607
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RESULT 15

US-09-969-532-29
; Sequence 29, Application US/09969532
; Patent No. 6777232
; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Scoville, John
; TITLE OF INVENTION: No. 6777232el Human Membrane Proteins and Polynucleotides
Encoding the Same
; FILE REFERENCE: LEX-0244-USA
; CURRENT APPLICATION NUMBER: US/09/969,532
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US 60/237,280
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 2001
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-969-532-29

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Qy	1888	CAGCTGGCCGCTTGCCCTGGTGGGAGAGGCCCTCAGCGTGGCTGCCGCCAACGCCCTC	1947
Db	1153	AGCTTTGGGACCTATGCGCTACTGGAGAGCCAATCACAGACTGTGCCGTGAAGCAACTG	1212
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Job time : 441.67 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: March 6, 2005, 05:25:16 ; Search time 1458.63 Seconds
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 5401638 seqs, 2966923429 residues

Total number of hits satisfying chosen parameters: 10803276

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	2697	100.0	2752	17	US-10-624-932-1	Sequence 1, Appli
3	2621.4	97.2	2881	10	US-09-970-944-1	Sequence 1, Appli
4	2343	86.9	3561	18	US-10-643-795A-77	Sequence 77, Appli
5	2343	86.9	3580	17	US-10-311-623-13	Sequence 13, Appli
6	2252.2	83.5	2697	16	US-10-240-154-15	Sequence 15, Appli
7	2252.2	83.5	3014	10	US-09-933-261-1	Sequence 1, Appli
8	2252.2	83.5	3014	14	US-10-256-702-1	Sequence 1, Appli
9	1552.4	57.6	1787	10	US-09-933-261-2	Sequence 2, Appli
10	1552.4	57.6	1787	14	US-10-256-702-2	Sequence 2, Appli
11	1200.6	44.5	1321	17	US-10-296-115-365	Sequence 365, App
12	936.2	34.7	2860	17	US-10-087-684-1	Sequence 1, Appli
13	936.2	34.7	2860	17	US-10-087-684-3	Sequence 3, Appli
14	936.2	34.7	2860	17	US-10-218-779-1	Sequence 1, Appli
15	936.2	34.7	2860	17	US-10-218-779-3	Sequence 3, Appli
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ALIGNMENTS

RESULT 1
US-09-918-779-1

; Sequence 1, Application US/09918779
; Publication No. US20030064369A1
; GENERAL INFORMATION:
; APPLICANT: Taupier, Raymond
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Rastelli, Luca
; APPLICANT: Spaderna, Steven
; APPLICANT: Shimkets, Richard
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Spytek, Kimberly
; APPLICANT: Shenoy, Suresh
; APPLICANT: Li, Li
; APPLICANT: Gusev, Vladimir
; APPLICANT: Grosse, William
; APPLICANT: Alsobrook, John
; APPLICANT: Lepley, Denise
; APPLICANT: Burgess, Catherine
; APPLICANT: Gerlach, Valerie
; APPLICANT: Ellerman, Karen
; APPLICANT: MacDougall, John
; APPLICANT: Stone, David
; APPLICANT: Smithson, Glennda
; TITLE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-074 US
; CURRENT APPLICATION NUMBER: US/09/918,779
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/221,409
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: 60/222,840
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/223,752
; PRIOR FILING DATE: 2000-08-08
; PRIOR APPLICATION NUMBER: 60/223,762
; PRIOR FILING DATE: 2000-08-08
; PRIOR APPLICATION NUMBER: 60/223,770
; PRIOR FILING DATE: 2000-08-08
; PRIOR APPLICATION NUMBER: 60/223,769
; PRIOR FILING DATE: 2000-08-08
; PRIOR APPLICATION NUMBER: 60/225,146
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/225,392
; PRIOR FILING DATE: 2000-08-15
; PRIOR APPLICATION NUMBER: 60/225,470
; PRIOR FILING DATE: 2000-08-15
; PRIOR APPLICATION NUMBER: 60/225,697
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/263,662
; PRIOR FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 60/281,645
; PRIOR FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 2752
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-918-779-1

Query Match 100.0%; Score 2697; DB 10; Length 2752;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 2697; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	1726	TGTGGACCCCTGGCGTCCTGCTCACCCGCCAGTCATCCTGGCTATGGACCCTGTGGG 1785
Qy	1741	GAGCCCAGCCCTGACAGCTGGAGCCTGCCCTCAAAAAGCAGTCGTGCGAGGGCAGCTGG 1800
Db	1786	GAGCCCAGCCCTGACAGCTGGAGCCTGCCCTCAAAAAGCAGTCGTGCGAGGGCAGCTGG 1845
Qy	1801	GAGGATGTGCTGCACCTGGCGAGGAGGCCCTCCACCTCTACTACTGCCAGCTGGAG 1860
Db	1846	GAGGATGTGCTGCACCTGGCGAGGAGGCCCTCCACCTCTACTACTGCCAGCTGGAG 1905
Qy	1861	GCCAGTGCCCTGCTACGTCTCACCGAGCAGCTGGGCCGTTGCCCTGGTGGAGAGGCC 1920
Db	1906	GCCAGTGCCCTGCTACGTCTCACCGAGCAGCTGGGCCGTTGCCCTGGTGGAGAGGCC 1965
Qy	1921	CTCAGCGTGGCTGCCCCAAGGCCCTCAAGCTGCTTCTGTTGCGCCGGTGGCCTGCACC 1980
Db	1966	CTCAGCGTGGCTGCCCCAAGGCCCTCAAGCTGCTTCTGTTGCGCCGGTGGCCTGCACC 2025
Qy	1981	TCCCTCGAGTACAACATCCGGGTCTACTGCCCTGCATGACACCCACGATGCACTCAAGGAG 2040
Db	2026	TCCCTCGAGTACAACATCCGGGTCTACTGCCCTGCATGACACCCACGATGCACTCAAGGAG 2085
Qy	2041	GTGGTGCAGCTGGAGAAGCAGCTGGGGGACAGCTGATCCAGGAGCCACGGGTCTGCAC 2100
Db	2086	GTGGTGCAGCTGGAGAAGCAGCTGGGGGACAGCTGATCCAGGAGCCACGGGTCTGCAC 2145
Qy	2101	TTCAAGGACAGTTACCACAAACCTGCCCTATCCATCCACGATGTGCCAGCTCCGTGG 2160
Db	2146	TTCAAGGACAGTTACCACAAACCTGCCCTATCCATCCACGATGTGCCAGCTCCGTGG 2205
Qy	2161	AAGAGTAAGCTCCTTGTCACTACCAAGGAGATCCCCTTATCACATCTGGAATGGCACG 2220
Db	2206	AAGAGTAAGCTCCTTGTCACTACCAAGGAGATCCCCTTATCACATCTGGAATGGCACG 2265
Qy	2221	CAGCGGTACTTGCACCTTCACCCGGAGCTGGAGCGTGTCAAGCCCCAGCACTAGTGACCTG 2280
Db	2266	CAGCGGTACTTGCACCTTCACCCGGAGCTGGAGCGTGTCAAGCCCCAGCACTAGTGACCTG 2325
Qy	2281	GCCTGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGCAGAGCTTCAGCATCAACTTC 2340
Db	2326	GCCTGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGCAGAGCTTCAGCATCAACTTC 2385.
Qy	2341	AACATCACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGTC 2400
Db	2386	AACATCACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGTC 2445
Qy	2401	CCAGCCCTGGTGGCCCCAGTGCCTCAAGATCCCCTCCTCATTGGCAGAAGATAATT 2460
Db	2446	CCAGCCCTGGTGGCCCCAGTGCCTCAAGATCCCCTCCTCATTGGCAGAAGATAATT 2505
Qy	2461	TCCAGCCTGGACCCACCCCTGTAGGCAGGGTGCCGACTGGCGACTCTGGCCAGAAACTC 2520

Db 2506 TCCAGCCTGGACCCACCCTGTAGGCGGGTGCCGACTGGCGGACTCTGGCCCAGAAACTC 2565
Qy 2521 CACCTGGACAGCCATCTCAGCTTGCCTCCAAGCCCAGCCCCACAGCCATGATCCTC 2580
Db 2566 CACCTGGACAGCCATCTCAGCTTGCCTCCAAGCCCAGCCCCACAGCCATGATCCTC 2625
Qy 2581 AACCTGTGGAGGCAGCGGGCACTCCCCAACGGCAACCTCAGCCAGCTGGCTGCAGCAGTG 2640
Db 2626 AACCTGTGGAGGCAGCGGGCACTCCCCAACGGCAACCTCAGCCAGCTGGCTGCAGCAGTG 2685
Qy 2641 GCTGGACTGGGCCAGCCAGACGCTGGCCTTCACAGTGTGGAGGCTGAGTGCTGA 2697
Db 2686 GCTGGACTGGGCCAGCCAGACGCTGGCCTTCACAGTGTGGAGGCTGAGTGCTGA 2742

RESULT 2

US-10-624-932-1

; Sequence 1, Application US/10624932

; Publication No. US20040096877A1

; GENERAL INFORMATION:

; APPLICANT: Taupier, Raymond

; APPLICANT: Padigaru, Muralidhara

; APPLICANT: Rastelli, Luca

; APPLICANT: Spaderna, Steven

; APPLICANT: Shimkets, Richard

; APPLICANT: Zerhusen, Bryan

; APPLICANT: Spytek, Kimberly

; APPLICANT: Shenoy, Suresh

; APPLICANT: Li, Li

; APPLICANT: Gusev, Vladimir

; APPLICANT: Grosse, William

; APPLICANT: Alsobrook, John

; APPLICANT: Lepley, Denise

; APPLICANT: Burgess, Catherine

; APPLICANT: Gerlach, Valerie

; APPLICANT: Ellerman, Karen

; APPLICANT: MacDougall, John

; APPLICANT: Stone, David

; APPLICANT: Smithson, Glennda

; TITLE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same

; FILE REFERENCE: 21402-074 US

; CURRENT APPLICATION NUMBER: US/10/624,932

; CURRENT FILING DATE: 2003-07-21

; PRIOR APPLICATION NUMBER: 09/918,779

; PRIOR FILING DATE: 2001-07-03

; PRIOR APPLICATION NUMBER: 60/221,409

; PRIOR FILING DATE: 2000-07-28

; PRIOR APPLICATION NUMBER: 60/222,840

; PRIOR FILING DATE: 2000-08-04

; PRIOR APPLICATION NUMBER: 60/223,752

; PRIOR FILING DATE: 2000-08-08

; PRIOR APPLICATION NUMBER: 60/223,762

; PRIOR FILING DATE: 2000-08-08

; PRIOR APPLICATION NUMBER: 60/223,770

; PRIOR FILING DATE: 2000-08-08

; PRIOR APPLICATION NUMBER: 60/223,769

; PRIOR FILING DATE: 2000-08-08

; PRIOR APPLICATION NUMBER: 60/225,146
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/225,392
; PRIOR FILING DATE: 2000-08-15
; PRIOR APPLICATION NUMBER: 60/225,470
; PRIOR FILING DATE: 2000-08-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 2752
; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-624-932-1

Query Match 100.0%; Score 2697; DB 17; Length 2752;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2697; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1 ATGGCCGTCCGGCCCCGGCCTGTGGCCAGCGCTCCTGGCATAGTCCTGCCGTTGGCTC	60
Db	46 ATGGCCGTCCGGCCCCGGCCTGTGGCCAGCGCTCCTGGCATAGTCCTGCCGTTGGCTC	105
Qy	61 CGCGGCTCGGGTGCCAGCAGAGTGCCACCGTGGCCAACCCAGTGCCTGGTGCCAACCCG	120
Db	106 CGCGGCTCGGGTGCCAGCAGAGTGCCACCGTGGCCAACCCAGTGCCTGGTGCCAACCCG	165
Qy	121 GACCTGCTTCCCCACTTCCTGGTGGAGCCCGAGGATGTGTACATCGTCAAGAACAAAGCCA	180
Db	166 GACCTGCTTCCCCACTTCCTGGTGGAGCCCGAGGATGTGTACATCGTCAAGAACAAAGCCA	225
Qy	181 GTGCTGCTTGTGTGCAAGGCCGTGCCGACCGCAGATCTTCAAGTGCAACGGGAG 240	
Db	226 GTGCTGCTTGTGTGCAAGGCCGTGCCGACCGCAGATCTTCAAGTGCAACGGGAG 285	
Qy	241 TGGGTGCCAGGTGGACCACGTGATCGAGCGCAGCACAGACGGGAGCAGTGGCTGCC 300	
Db	286 TGGGTGCCAGGTGGACCACGTGATCGAGCGCAGCACAGACGGGAGCAGTGGCTGCC 345	
Qy	301 ACCATGGAGGTCCGCATTAATGTCTAAGGCAGCAGGTCGAGAAGGTGTTGGCTGGAG 360	
Db	346 ACCATGGAGGTCCGCATTAATGTCTAAGGCAGCAGGTCGAGAAGGTGTTGGCTGGAG 405	
Qy	361 GAATACTGGTGCCAGTGCCTGGCATGGAGCTCCTGGGCACCACCAAGAGTCAGAACGCC 420	
Db	406 GAATACTGGTGCCAGTGCCTGGCATGGAGCTCCTGGGCACCACCAAGAGTCAGAACGCC 465	
Qy	421 TACATCCGCATAGCCAGATTGCCAAGAACCTCGAGCAGGAGCCGCTGGCCAAGGAGGTG 480	
Db	466 TACATCCGCATAGCCAGATTGCCAAGAACCTCGAGCAGGAGCCGCTGGCCAAGGAGGTG 525	
Qy	481 TCCCTGGAGCAGGGCATCGTGCCTGCCGTCCACCGGAGGGCATCCCTCCAGCCGAG 540	
Db	526 TCCCTGGAGCAGGGCATCGTGCCTGCCGTCCACCGGAGGGCATCCCTCCAGCCGAG 585	
Qy	541 GTGGAGTGGCTCCGAAACGAGGACCTGGTGGACCGTCCCTGGACCCCAATGTATACATC 600	

Db	586	GTGGAGTGGCTCCGGAACGAGGACCTGGTGGACCCGTCCTGGACCCAATGTATACATC	645
Qy	601	ACGCGGGAGCACAGCCTGGTGGCGACAGGCCGCCTGCTGACACGCCAACTACACC	660
Db	646	ACGCGGGAGCACAGCCTGGTGGCGACAGGCCGCCTGCTGACACGCCAACTACACC	705
Qy	661	TGCGTGGCAAGAACATCGTGGCACGTGCCGCAGGCCCTCCGCTGCTGTCATCGTCTAC	720
Db	706	TGCGTGGCAAGAACATCGTGGCACGTGCCGCAGGCCCTCCGCTGCTGTCATCGTCTAC	765
Qy	721	GTGAACGGTGGGTGGTCGACGTGGACCGAGTGGTCCGCTGCAGGCCAGCTGTGGCGC	780
Db	766	GTGAACGGTGGGTGGTCGACGTGGACCGAGTGGTCCGCTGCAGGCCAGCTGTGGCGC	825
Qy	781	GGCTGGCAGAACGGAGCCGGAGCTGCACCAACCCGGCCCTCTCAACGGGGCGCTTC	840
Db	826	GGCTGGCAGAACGGAGCCGGAGCTGCACCAACCCGGCCCTCTCAACGGGGCGCTTC	885
Qy	841	TGTGAGGGCAGAATGTCCAGAAAACAGCCTGCGCCACCCCTGTGCCAGTAGACGGCAGC	900
Db	886	TGTGAGGGCAGAATGTCCAGAAAACAGCCTGCGCCACCCCTGTGCCAGTAGACGGCAGC	945
Qy	901	TGGAGCCCGTGGAGCAAGTGGTCGGCCTGTGGCTGGACTGCACCCACTGGCGAGCCGT	960
Db	946	TGGAGCCCGTGGAGCAAGTGGTCGGCCTGTGGCTGGACTGCACCCACTGGCGAGCCGT	1005
Qy	961	GAGTGCTCTGACCCAGCACCCCGCAACGGAGGGAGGAGTGCCAGGGACTGACCTGGAC	1020
Db	1006	GAGTGCTCTGACCCAGCACCCCGCAACGGAGGGAGGAGTGCCAGGGACTGACCTGGAC	1065
Qy	1021	ACCCGCAACTGTACCAAGTGACCTCTGTGTACACAGTGCTCTGCCCTGAGGACGTGCC	1080
Db	1066	ACCCGCAACTGTACCAAGTGACCTCTGTGTACACAGTGCTCTGCCCTGAGGACGTGCC	1125
Qy	1081	CTCTATGTGGCCTCATGCCGTGGCGTCTGCCTGGCCTGCTGCTGCTTGTCCCTCATC	1140
Db	1126	CTCTATGTGGCCTCATGCCGTGGCGTCTGCCTGGCCTGCTGCTGCTTGTCCCTCATC	1185
Qy	1141	CTCGTTATTGCCGGAAGAAGGAGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTC	1200
Db	1186	CTCGTTATTGCCGGAAGAAGGAGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTC	1245
Qy	1201	ACCTCAGGTTCCAGCCGTCAGCATCAAGCCCAGCAAAGCAGACAACCCCCATCTGCTC	1260
Db	1246	ACCTCAGGTTCCAGCCGTCAGCATCAAGCCCAGCAAAGCAGACAACCCCCATCTGCTC	1305
Qy	1261	ACCATCCAGCCGGACCTCAGCACCAACCACCTACCAAGGGAGTCTGTCCCCGG	1320
Db	1306	ACCATCCAGCCGGACCTCAGCACCAACCACCTACCAAGGGAGTCTGTCCCCGG	1365
Qy	1321	CAGGATGGGCCAGCCCCAAGTCCAGCTACCAATGGCACCTGCTCAGCCCCCTGGGT	1380
Db	1366	CAGGATGGGCCAGCCCCAAGTCCAGCTACCAATGGCACCTGCTCAGCCCCCTGGGT	1425
Qy	1381	GGCGGCCGCCACACACTGCACCAAGCTCTCCACCTCTGAGGCCAGGAGTCGTCTCC	1440
Db	1426	GGCGGCCGCCACACACTGCACCAAGCTCTCCACCTCTGAGGCCAGGAGTCGTCTCC	1485

Qy	1441	CGCCTCTCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGAACATGACCTAT	1500
Db	1486	CGCCTCTCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGAACATGACCTAT	1545
Qy	1501	GGGACCTTCAACTTCTCGGGGCCGGTGTGATGATCCCTAATACAGGTATCAGCCTCCTC	1560
Db	1546	GGGACCTTCAACTTCTCGGGGCCGGTGTGATGATCCCTAATACAGGTATCAGCCTCCTC	1605
Qy	1561	ATCCCCCAGATGCCATACCCCGAGGGAAGATCTATGAGATCTACCTCACGCTGCACAAG	1620
Db	1606	ATCCCCCAGATGCCATACCCCGAGGGAAGATCTATGAGATCTACCTCACGCTGCACAAG	1665
Qy	1621	CCGGAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCTGCTGAGTCCCATCGTTAGC	1680
Db	1666	CCGGAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCTGCTGAGTCCCATCGTTAGC	1725
Qy	1681	TGTGGACCCCTGGCGTCTGCTCACCGGCCAGTCATCCTGGCTATGGACCACTGTGGG	1740
Db	1726	TGTGGACCCCTGGCGTCTGCTCACCGGCCAGTCATCCTGGCTATGGACCACTGTGGG	1785
Qy	1741	GAGCCCAGCCCTGACAGCTGGAGCCTGCCCTCAAAAAGCAGTCGTGCGAGGGCAGCTGG	1800
Db	1786	GAGCCCAGCCCTGACAGCTGGAGCCTGCCCTCAAAAAGCAGTCGTGCGAGGGCAGCTGG	1845
Qy	1801	GAGGATGTGCTGCACCTGGCGAGGAGGCGCCCTCCACCTCTACTACTGCCAGCTGGAG	1860
Db	1846	GAGGATGTGCTGCACCTGGCGAGGAGGCGCCCTCCACCTCTACTACTGCCAGCTGGAG	1905
Qy	1861	GCCAGTGCTGCTACGTCTTCACCGAGCAGCTGGCCGTTGCCCTGGTGGAGAGGCC	1920
Db	1906	GCCAGTGCTGCTACGTCTTCACCGAGCAGCTGGCCGTTGCCCTGGTGGAGAGGCC	1965
Qy	1921	CTCAGCGTGGCTGCCCCAAGGCCCTCAAGCTGCTCTGTTGCCCGGTGGCTGCACC	1980
Db	1966	CTCAGCGTGGCTGCCCCAAGGCCCTCAAGCTGCTCTGTTGCCCGGTGGCTGCACC	2025
Qy	1981	TCCCTCGAGTACAACATCCGGCTACTGCCCTGCATGACACCCAGATGCACTCAAGGAG	2040
Db	2026	TCCCTCGAGTACAACATCCGGCTACTGCCCTGCATGACACCCAGATGCACTCAAGGAG	2085
Qy	2041	GTGGTGCAGCTGGAGAAGCAGCTGGGGGACAGCTGATCCAGGAGCCACGGGTCTGCAC	2100
Db	2086	GTGGTGCAGCTGGAGAAGCAGCTGGGGGACAGCTGATCCAGGAGCCACGGGTCTGCAC	2145
Qy	2101	TTCAAGGACAGTTACCAACCTGCCCTATCCATCCACGATGTGCCAGCTCCGTGG	2160
Db	2146	TTCAAGGACAGTTACCAACCTGCCCTATCCATCCACGATGTGCCAGCTCCGTGG	2205
Qy	2161	AAGAGTAAGCTCCTGTCAGCTACCAGGAGATCCCCTTTATCACATCTGGAATGGCAG	2220
Db	2206	AAGAGTAAGCTCCTGTCAGCTACCAGGAGATCCCCTTTATCACATCTGGAATGGCAG	2265
Qy	2221	CAGCGGTACTTGCACCTTCACCCGGAGCGTGTAGCCCCAGCACTAGTGACCTG	2280
Db	2266	CAGCGGTACTTGCACCTTCACCCGGAGCGTGTAGCCCCAGCACTAGTGACCTG	2325

Qy	2281	GCCTGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGCAGAGCTTCAGCATCAACTTC	2340
Db	2326	GCCTGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGCAGAGCTTCAGCATCAACTTC	2385
Qy	2341	AACATCACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGTC	2400
Db	2386	AACATCACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGTC	2445
Qy	2401	CCAGCCCTGGTGGGCCCAAGTGCCCTCAAGATCCCCTCCTCATTGGCAGAAGATAATT	2460
Db	2446	CCAGCCCTGGTGGGCCCAAGTGCCCTCAAGATCCCCTCCTCATTGGCAGAAGATAATT	2505
Qy	2461	TCCAGCCTGGACCCACCCTGTAGGCGGGTGCCGACTGGCGGACTCTGGCCAGAAACTC	2520
Db	2506	TCCAGCCTGGACCCACCCTGTAGGCGGGTGCCGACTGGCGGACTCTGGCCAGAAACTC	2565
Qy	2521	CACCTGGACAGCCATCTCAGCTTCTTGCCCTCAAGCCCAGCCCCACAGCCATGATCCTC	2580
Db	2566	CACCTGGACAGCCATCTCAGCTTCTTGCCCTCAAGCCCAGCCCCACAGCCATGATCCTC	2625
Qy	2581	AACCTGTGGAGGCGCGGCACTCCCCAACGGCAACCTCAGCCAGCTGGCTGCAGCAGTG	2640
Db	2626	AACCTGTGGAGGCGCGGCACTCCCCAACGGCAACCTCAGCCAGCTGGCTGCAGCAGTG	2685
Qy	2641	GCTGGACTGGGCCAGCCAGACGCTGGCTCTCACAGTGTGGAGGCTGAGTGCTGA	2697
Db	2686	GCTGGACTGGGCCAGCCAGACGCTGGCTCTCACAGTGTGGAGGCTGAGTGCTGA	2742

RESULT 3

US-09-970-944-1

; Sequence 1, Application US/09970944
; Publication No. US20030204052A1
; GENERAL INFORMATION:
; APPLICANT: Herrman, John L
; APPLICANT: Rastelli, Luca
; APPLICANT: Shimkets, Richard A
; TITLE OF INVENTION: No. US20030204052A1 Proteins and Nucleic Acids Encoding Same and
; TITLE OF INVENTION: Antibodies Directed Against these Proteins
; FILE REFERENCE: 21402-138
; CURRENT APPLICATION NUMBER: US/09/970,944
; CURRENT FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: 60/237,862
; PRIOR FILING DATE: 2000-10-04
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 2881
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-970-944-1

Query Match 97.2%; Score 2621.4; DB 10; Length 2881;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 2673; Conservative 0; Mismatches 21; Indels 9; Gaps 3;

Qy	1	ATGGCCGTCCGGCCCCGCTGTGGCCAGCGCTCCTGGCATAGTCCTGCCGTTGGCTC	60
Db	87	ATGGCCGTCCGGCCCCGCTGTGGCCAGCGCTCCTGGCATAGTCCTGCCGTTGGCTC	146
Qy	61	CGCGGCTCGGGTGCCAGCAGAGTGCCACCGTGGCCAACCCAGTGCCTGGTGCAACCCG	120
Db	147	CGCGGCTCGGGTGCCAGCAGAGTGCCACCGTGGCCAACCCAGTGCCTGGTGCAACCCG	206
Qy	121	GACCTGCTTCCCCACTTCCTGGTGGAGCCCGAGGATGTGTACATCGTAAGAACAAAGCCA	180
Db	207	GACCTGCTTCCCCACTTCCTGGTGGAGCCCGAGGATGTGTACATCGTAAGAACAAAGCCA	266
Qy	181	GTGCTGCTTGTGTGCAAGGCCGTGCCGCCACGCAGATCTCTCAAGTGCACGGGAG	240
Db	267	GTGCTGCTTGTGTGCAAGGCCGTGCCGCCACGCAGATCTCTCAAGTGCACGGGAG	326
Qy	241	TGGGTGCCAGGTGGACCACGTGATCGAGCGCAGCACAGACGGGAGCAGTGGCTGCC	300
Db	327	TGGGTGCCAGGTGGACCACGTGATCGAGCGCAGCACAGACGGGAGCAGTGGTGAGCCG	386
Qy	301	ACCATGGAGGTCCGCATTAATGTCTCAAGGCAGCAGGTCGAGAAGGTGTTGGCTGGAG	360
Db	387	ACCATGGAGGTCCGCATTAATGTCTCAAGGCAGCAGGTCGAGAAGGTGTTGGCTGGAG	446
Qy	361	GAATACTGGTGCCAGTGCCTGGCATGGAGCTCCTGGGACCAAGAGTCAGAAGGCC	420
Db	447	GAATACTGGTGCCAGTGCCTGGCATGGAGCTCCTGGGACCAAGAGTCAGAAGGCC	506
Qy	421	TACATCCGCATAGCCAGATTGCGCAAGAACATTGAGCAGGAGCCGCTGGCAAGGAGGTG	480
Db	507	TACATCCGCATAGCCAGATTGCGCAAGAACATTGAGCAGGAGCCGCTGGCAAGGAGGTG	566
Qy	481	TCCCTGGAGCAGGGCATCGTGCCTGCCGTCCACCGGAGGGCATCCCTCCAGCCGAG	540
Db	567	TCCCTGGAGCAGGGCATCGTGCCTGCCGTCCACCGGAGGGCATCCCTCCAGCCGAG	626
Qy	541	GTGGAGTGGCTCCGGAACGAGGACCTGGTGGACCCGTCCTGGACCCCAATGTATACATC	600
Db	627	GTGGAGTGGCTCCGGAACGAGGACCTGGTGGACCCGTCCTGGACCCCAATGTATACATC	686
Qy	601	ACGCGGGAGCACAGCCTGGTGGTGCACAGGCCGCCCTGCTGACACGGCCAACATACACC	660
Db	687	ACGCGGGAGCACAGCCTGGTGGTGCACAGGCCGCCCTGCTGACACGGCCAACATACACC	746
Qy	661	TGGCTGGCCAAGAACATCGTGGCACGTGCCAGCGCCTCCGCTGCTGTACATCGTCTAC	720
Db	747	TGGCTGGCCAAGAACATCGTGGCACGTGCCAGCGCCTCCGCTGCTGTACATCGTCTAC	806
Qy	721	GTGAACGGTGGTGGTCGACGTGGACCGAGTGGCCCTGCAGCGCCAGCTGTGGCGC	780
Db	807	GTGAACGGTGGTGGTCGACGTGGACCGAGTGGCCCTGCAGCGCCAGCTGTGGCGC	866
Qy	781	GGCTGGCAGAACGGAGCCGGAGCTGCACCAACCGGCGCCTCTAACGGGGCGCTTC	840
Db	867	GGCTGGCAGAACGGAGCCGGAGCTGCACCAACCGGCGCCTCTAACGGGGCGCTTC	926
Qy	841	TGTGAGGGCAGAATGTCCAGAA---AACAGCCTGCCACCTGTGCCAGTAGACGGC	897

Db	927	TGTGAGGGCAGAATGTCCATGACCGCACCGTCTCCTCTGCTTGCTCTGTGGACGGC	986
Qy	898	AGCTGGAGCCCGTGGAGCAAGTGGTCGGCCTGTGGCTGGACTGCACCCACTGGCGGAGC	957
Db	987	AGCTGGAGCCCGTGGAGCAAGTGGTCGGCCTGTGGCTGGACTGCACCCACTGGCGGAGC	1046
Qy	958	CGTGAGTGCTCTGACCCAGCACCCCGAACGGAGGGAGGTGCCAGGGACTGACCTG	1017
Db	1047	CGTGAGTGCTCTGACCCAGCACCCCGAACGGAGGGAGGTGCCAGGGACTGACCTG	1106
Qy	1018	GACACCCGCAACTGTACCAGTGACCTCTGTGTACACAGTGCTCTGGCCCTGAGGACGTG	1077
Db	1107	GACACCCGCAACTGTACCAGTGACCTCTGTGTACACAGTGCTCTGGCCCTGAGGACGTG	1166
Qy	1078	GCCCTCATGTGGCCTCATGCCGTGGCGTCTGCCCTGGCTGCTGCTGCTTGCCCTC	1137
Db	1167	GCCCTCATGTGGCCTCATGCCGTGGCGTCTGCCCTGGCTGCTGCTGCTTGCCCTC	1226
Qy	1138	ATCCTCGTTATTGCCCGAAGAAGGAGGGCTGGACTCAGATGTGGCTGACTCGTCCATT	1197
Db	1227	ATCCTCGTTATTGCCCGAAGAAGGAGGGCTGGACTCAGATGTGGCTGACTCGTCCATT	1286
Qy	1198	CTCACCTCAGGCTTCAGCCCCGTCAAGCATCAAGCCCAGCAAAGCAGACAACCCCCATCTG	1257
Db	1287	CTCACCTCAGGCTTCAGCCCCGTCAAGCATCAAGCCCAGCAAAGCAGACAACCCCCATCTG	1346
Qy	1258	CTCACCATCCAGCCGACCTCAGCACCACACCACCTACCAGGGCAGTCTCTGTCCC	1317
Db	1347	CTCACCATCCAGCCGACCTCAG---CACCAACCACCTACCAGGGCAGTCTCTGTCCC	1403
Qy	1318	CGGCAGGATGGGCCAGCCCCAAGTCCAGCTCACCAATGGGCACCTGCTCAGCCCCCTG	1377
Db	1404	CGGCAGGATGGGCCAGCCCCAAGTCCAGCTCACCAATGGGCACCTGCTCAGCCCCCTG	1463
Qy	1378	GGTGGCGGCCGCCACACACTGCACCACAGCTCTCCACCTCTGAGGCCGAGGAGTCGTC	1437
Db	1464	GGTGGCGGCCGCCACACACTGCACCACAGCTCTCCACCTCTGAGGCCGAGGAGTCGTC	1523
Qy	1438	TCCCGCCTCTCCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGCAACATGACC	1497
Db	1524	TCCCGCCTCTCCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGCAACATGACC	1583
Qy	1498	TATGGGACCTTCAACTTCTCGGGGCCGGCTGATGATCCATAACAGGTATCAGCCTC	1557
Db	1584	TATGGGACCTTCAACTTCTCGGGGCCGGCTGATGATCCATAACAGGTATCAGCCTC	1643
Qy	1558	CTCATCCCCCAGATGCCATACCCGAGGGAAGATCTATGAGATCTACCTCACGCTGCAC	1617
Db	1644	CTCATCCCCCAGATGCCATACCCGAGGGAAGATCTATGAGATCTACCTCACGCTGCAC	1703
Qy	1618	AAGCCGGAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCCATCGTT	1677
Db	1704	AAGCCGGAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCCATCGTT	1763
Qy	1678	AGCTGTGGACCCCTGGCGTCTGCTCACCCGCCAGTCATCCTGGCTATGGACCACTGT	1737

Db	1764	AGCTGTGGACCCCTGGCGTCTGCTCACCGGCCAGTCATCCTGGCTATGGACCACTGT	1823
Qy	1738	GGGGAGCCCAGCCCTGACAGCTGGAGCCTGCGCCTCAAAAAGCAGTCGTGCGAGGGCAGC	1797
Db	1824	GGGGAGCCCAGCCCTGACAGCTGGAGCCTGCGCCTCAAAAAGCAGTCGTGCGAGGGCAGC	1883
Qy	1798	TGGG---AGGATGTGCTGCACCTGGCGAGGAGGCGCCCTCCACCTCTACTACTGCCAG	1854
Db	1884	TGGGAGCAGGATGTGCTGCACCTGGCGAGGAGGCGCCCTCCACCTCTACTACTGCCAG	1943
Qy	1855	CTGGAGGCCAGTGCCCTGCTACGTCTTCACCGAGCAGCTGGGCCCTTGCCTGGTGGGA	1914
Db	1944	CTGGAGGCCAGTGCCCTGCTACGTCTTCACCGAGCAGCTGGGCCCTTGCCTGGTGGGA	2003
Qy	1915	GAGGCCCTCAGCGTGGCTGCCGCCAAGCGCCTCAAGCTGCTTCTGTTGCGCCGGTGGCC	1974
Db	2004	GAGGCCCTCAGCGTGGCTGCCGCCAAGCGCCTCAAGCTGCTTCTGTTGCGCCGGTGGCC	2063
Qy	1975	TGCACCTCCCTCGAGTACAACATCCGGGCTACTGCCTGCATGACACCCACGATGCACTC	2034
Db	2064	TGCACCTCCCTCGAGTACAACATCCGGGCTACTGCCTGCATGACACCCACGATGCACTC	2123
Qy	2035	AAGGAGGTGGTGCAGCTGGAGAACAGCAGCTGGGGGACAGCTGATCCAGGAGCCACGGGTC	2094
Db	2124	AAGGAGGTGGTGCAGCTGGAGAACAGCAGCTGGGGGACAGCTGATCCAGGAGCCACGGGTC	2183
Qy	2095	CTGCACTTCAAGGACAGTTACCACAAACCTGCGCTATCCATCCACGATGTGCCAGCTCC	2154
Db	2184	CTGCACTTCAAGGACAGTTACCACAAACCTGCGCTATCCATCCACGATGTGCCAGCTCC	2243
Qy	2155	CTGTGGAAGAGTAAGCTCCTTGTCAAGTACCCCTTTATCACATCTGGAAT	2214
Db	2244	CTGTGGAAGAGTAAGCTCCTTGTCAAGTACCCCTTTATCACATCTGGAAT	2303
Qy	2215	GGCACGCAGCGGTACTTGCACCTCACCTGGAGCGTGTCAAGCCCCAGCACTAGT	2274
Db	2304	GGCACGCAGCGGTACTTGCACCTCACCTGGAGCGTGTCAAGCCCCAGCACTAGT	2363
Qy	2275	GACCTGGCCTGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGCAGAGCTTCAGCATC	2334
Db	2364	GACCTGGCCTGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGCAGAGCTTCAGCATC	2423
Qy	2335	AACTTCAACATCACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCG	2394
Db	2424	AACTTCAACATCACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCG	2483
Qy	2395	GGGGTCCCAGCCCTGGTGGGCCAGTGCCTCAAGATCCCTCCTCATTGGCAGAAG	2454
Db	2484	GGGGTCCCAGCCCTGGTGGGCCAGTGCCTCAAGATCCCTCCTCATTGGCAGAAG	2543
Qy	2455	ATAATTCCAGCCTGGACCCACCCGTAGGCAGGGTGCCGACTGGCGACTCTGGCCAG	2514
Db	2544	ATAATTCCAGCCTGGACCCACCCGTAGGCAGGGTGCCGACTGGCGACTCTGGCCAG	2603
Qy	2515	AAACTCCACCTGGACAGCCATCTCAGCTTCTTGCCTCCAAGCCCAGCCCCACAGCCATG	2574
Db	2604	AAACTCCACCTGGACAGCCATCTCAGCTTCTTGCCTCCAAGCCCAGCCCCACAGCCATG	2663

Qy 2575 ATCCTAACCTGTGGGAGGCGCGGCACTTCCCAACGGAACCTCAGCCAGCTGGCTGCA 2634
|||
Db 2664 ATCCTAACCTGTGGGAGGCGCGGCACTTCCCAACGGAACCTCAGCCAGCTGGCTGCA 2723

Qy 2635 GCAGTGGCTGGACTGGGCCAGCCAGACGCTGGCTCTTCACAGTGTGGAGGCTGAGTGC 2694
|||
Db 2724 GCAGTGGCTGGACTGGGCCAGCCAGACGCTGGCTCTTCACAGTGTGGAGGCTGAGTGC 2783

Qy 2695 TGA 2697
|||
Db 2784 TGA 2786

RESULT 4

US-10-643-795A-77

; Sequence 77, Application US/10643795A
; Publication No. US20040241703A1
; GENERAL INFORMATION:
; APPLICANT: FREDERIC J. DESAUVAGE
; APPLICANT: GRETCHEN FRANTZ
; APPLICANT: KENNETH J. HILLAN
; APPLICANT: PAUL POLAKIS
; APPLICANT: ANDREW POLSON
; APPLICANT: VICTORIA SMITH
; APPLICANT: SUSAN D. SPENCER
; APPLICANT: THOMAS D. WU
; APPLICANT: ZEMIN ZHANG
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF TUMOR
; FILE REFERENCE: P5026R1-US
; CURRENT APPLICATION NUMBER: US/10/643,795A
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: US 60/404,809
; PRIOR FILING DATE: 2002-08-19
; PRIOR APPLICATION NUMBER: US 60/405,645
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: US 60/413,192
; PRIOR FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: US 60/419,008
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US 60/426,847
; PRIOR FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 60/484,959
; PRIOR FILING DATE: 2003-07-02
; NUMBER OF SEQ ID NOS: 158
; SEQ ID NO 77
; LENGTH: 3561
; TYPE: DNA
; ORGANISM: Homo sapien

US-10-643-795A-77

Query Match 86.9%; Score 2343; DB 18; Length 3561;
Best Local Similarity 93.6%; Pred. No. 0;
Matches 2524; Conservative 0; Mismatches 5; Indels 168; Gaps 1;

Qy 1 ATGGCCGTCCGGCCGGCCTGTGGCCAGCGCTCCTGGCATAGTCCTGCCGTTGGCTC 60

Db	4	ATGGCCGTCCGGCCGGCTGTGGCCAGCGCTCCTGGCATAGTCCTGCCGTTGGCTC	63
Qy	61	CGCGGCTCGGGTGCCAGCAGAGTGCCACCGTGGCAACCCAGTGCCTGGTGCCAACCCG	120
Db	64	CGCGGCTCGGGTGCCAGCAGAGTGCCACCGTGGCAACCCAGTGCCTGGTGCCAACCCG	123
Qy	121	GACCTGCTCCCCACTCCTGGTGGAGCCCGAGGATGTGTACATCGTAAGAACAAAGCCA	180
Db	124	GACCTGCTCCCCACTCCTGGTGGAGCCCGAGGATGTGTACATCGTAAGAACAAAGCCA	183
Qy	181	GTGCTGCTTGTGTGCAAGGCCGTGCCGCCACGCAGATCTCTCAAGTGCAACGGGGAG	240
Db	184	GTGCTGCTTGTGTGCAAGGCCGTGCCGCCACGCAGATCTCTCAAGTGCAACGGGGAG	243
Qy	241	TGGGTGCCAGGTGGACCACGTGATCGAGCGCAGCACAGACGGGAGCAGTGGCTGCC	300
Db	244	TGGGTGCCAGGTGGACCACGTGATCGAGCGCAGCACAGACGGGAGCAGTGGCTGCC	303
Qy	301	ACCATGGAGGTCCGCATTAATGTCTCAAGGCAGCAGGTCGAGAAGGTGTTGGCTGGAG	360
Db	304	ACCATGGAGGTCCGCATTAATGTCTCAAGGCAGCAGGTCGAGAAGGTGTTGGCTGGAG	363
Qy	361	GAATACTGGTGCCAGTGCCTGGCATGGAGCTCCTCGGGCACCACCAAGAGTCAGAAGGCC	420
Db	364	GAATACTGGTGCCAGTGCCTGGCATGGAGCTCCTCGGGCACCACCAAGAGTCAGAAGGCC	423
Qy	421	TACATCCGCATAGCCAGATTGCGCAAGAACATTGAGCAGGAGCCGCTGGCCAAGGAGGTG	480
Db	424	TACATCCGCATAGCCATTGCGCAAGAACATTGAGCAGGAGCCGCTGGCCAAGGAGGTG	483
Qy	481	TCCCTGGAGCAGGGCATCGTGCCTGCCGTCCACCGGAGGGCATCCCTCCAGCCGAG	540
Db	484	TCCCTGGAGCAGGGCATCGTGCCTGCCGTCCACCGGAGGGCATCCCTCCAGCCGAG	543
Qy	541	GTGGAGTGGCTCCGAACGAGGACCTGGTGGACCCGTCCCTGGACCCCAATGTATACATC	600
Db	544	GTGGAGTGGCTCCGAACGAGGACCTGGTGGACCCGTCCCTGGACCCCAATGTATACATC	603
Qy	601	ACGCGGGAGCACAGCCTGGTGGTGCAGAGGCCGCTTGCTGACACGCCAACTACACC	660
Db	604	ACGCGGGAGCACAGCCTGGTGGTGCAGAGGCCGCTTGCTGACACGCCAACTACACC	663
Qy	661	TGCGTGGCCAAGAACATCGTGGCACGTGCCGCAGGCCCTCCGCTGCTGTATCGTCTAC	720
Db	664	TGCGTGGCCAAGAACATCGTGGCACGTGCCGCAGGCCCTCCGCTGCTGTATCGTCTAC	723
Qy	721	GTGAACGGTGGTGGTCGACGTGGACCGAGTGGCCGTGCAAGGCCAGCTGTGGCGC	780
Db	724	GTG-----	726
Qy	781	GGCTGGCAGAACGGAGGCCGGAGCTGCACCAACCCGGCGCTCTCAACGGGGCGCTTC	840
Db	727	-----	726
Qy	841	TGTGAGGGGCAGAATGTCCAGAAAACAGCCTGCCACCCGTGCCAGTAGACGGCAGC	900

Db	727	-----GACGGCAGC 735
Qy	901	TGGAGCCCGTGGAGCAAGTGGTCGGCTGTGGCTGGACTGCACCCACTGGCGGAGCCGT 960
Db	736	TGGAGCCCGTGGAGCAAGTGGTCGGCTGTGGCTGGACTGCACCCACTGGCGGAGCCGT 795
Qy	961	GAGTGCTCTGACCCAGCACCCCGAACGGAGGGAGGAGTGCCAGGGACTGACCTGGAC 1020
Db	796	GAGTGCTCTGACCCAGCACCCCGAACGGAGGGAGGAGTGCCAGGGACTGACCTGGAC 855
Qy	1021	ACCCGCAACTGTACCAGTGACCTCTGTGTACACAGTGCTTCTGCCCTGAGGACGTGGCC 1080
Db	856	ACCCGCAACTGTACCAGTGACCTCTGTGTACACACTGCTTCTGCCCTGAGGACGTGGCC 915
Qy	1081	CTCTATGTGGCCTCATGCCGTGGCGTCTGCCCTGGCCTGCTGCTGCTTGTCCATC 1140
Db	916	CTCTATGTGGCCTCATGCCGTGGCGTCTGCCCTGGCCTGCTGCTGCTTGTCCATC 975
Qy	1141	CTCGTTATTGCCGGAAGAAGGAGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTC 1200
Db	976	CTCGTTATTGCCGGAAGAAGGAGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTC 1035
Qy	1201	ACCTCAGGCTTCCAGCCCGTCAGCATCAAGCCCAGCAAAGCAGACAACCCCCATGCTC 1260
Db	1036	ACCTCAGGCTTCCAGCCCGTCAGCATCAAGCCCAGCAAAGCAGACAACCCCCATGCTC 1095
Qy	1261	ACCATCCAGCCGGACCTCAGCACCAACCACCAACCTACCAGGGCAGTCTGTCCCCGG 1320
Db	1096	ACCATCCAGCCGGACCTCAGCACCAACCACCAACCTACCAGGGCAGTCTGTCCCCGG 1155
Qy	1321	CAGGATGGCCCAGCCCCAAGTCCAGCTACCAATGGCACCTGCTCAGCCCCCTGGGT 1380
Db	1156	CAGGATGGCCCAGCCCCAAGTCCAGCTACCAATGGCACCTGCTCAGCCCCCTGGGT 1215
Qy	1381	GGCGGCCGCCACACACTGCACCAACAGCTCTCCACCTTGAGGCCAGGAGTCGTCTCC 1440
Db	1216	GGCGGCCGCCACACACTGCACCAACAGCTCTCCACCTTGAGGCCAGGAGTCGTCTCC 1275
Qy	1441	CGCCTCTCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGCAACATGACCTAT 1500
Db	1276	CGCCTCTCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGCAACATGACCTAT 1335
Qy	1501	GGGACCTTCAACTTCCCTGGGGCCGGCTGATGATCCCTAATACAGGTATCAGCCTCCTC 1560
Db	1336	GGGACCTTCAACTTCCCTGGGGCCGGCTGATGATCCCTAATACAGGAATCAGCCTCCTC 1395
Qy	1561	ATCCCCCCAGATGCCATACCCGAGGAAGATCTATGAGATCTACCTCACGCTGCACAAG 1620
Db	1396	ATCCCCCCAGATGCCATACCCGAGGAAGATCTATGAGATCTACCTCACGCTGCACAAG 1455
Qy	1621	CCGGAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCATCGTTAGC 1680
Db	1456	CCGGAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCATCGTTAGC 1515
Qy	1681	TGTGGACCCCTGGCGTCTGCTCACCGGCCAGTCATCCTGGCTATGGACCACTGTGGG 1740
Db	1516	TGTGGACCCCTGGCGTCTGCTCACCGGCCAGTCATCCTGGCTATGGACCACTGTGGG 1575

Qy	1741	GAGCCCAGCCCTGACAGCTGGAGCCTGCCCTCAAAAAGCAGTCGTGCGAGGGCAGCTGG	1800
Db	1576	GAGCCCAGCCCTGACAGCTGGAGCCTGCCCTCAAAAAGCAGTCGTGCGAGGGCAGCTGG	1635
Qy	1801	GAGGATGTGCTGCACCTGGCGAGGAGGCGCCCTCCACCTCTACTACTGCCAGCTGGAG	1860
Db	1636	GAGGATGTGCTGCACCTGGCGAGGAGGCGCCCTCCACCTCTACTACTGCCAGCTGGAG	1695
Qy	1861	GCCAGTGCCTGCTACGTCTCACCGAGCAGCTGGCGCTTGCCCTGGTGGAGAGGCC	1920
Db	1696	GCCAGTGCCTGCTACGTCTCACCGAGCAGCTGGCGCTTGCCCTGGTGGAGAGGCC	1755
Qy	1921	CTCAGCGTGGCTGCCCCAAGGCCCTCAAGCTGCTTGTGCGCCGGTGGCTGCACC	1980
Db	1756	CTCAGCGTGGCTGCCCCAAGGCCCTCAAGCTGCTTGTGCGCCGGTGGCTGCACC	1815
Qy	1981	TCCCTCGAGTACAACATCCGGCTACTGCCTGCATGACACCCACGATGCACTCAAGGAG	2040
Db	1816	TCCCTCGAGTACAACATCCGGCTACTGCCTGCATGACACCCACGATGCACTCAAGGAG	1875
Qy	2041	GTGGTGCAGCTGGAGAAGCAGCTGGGGGACAGCTGATCCAGGAGCACGGTCCTGCAC	2100
Db	1876	GTGGTGCAGCTGGAGAAGCAGCTGGGGGACAGCTGATCCAGGAGCACGGTCCTGCAC	1935
Qy	2101	TTCAAGGACAGTTACCACAACCTGCGCTATCCATCCACGATGTGCCAGCTCCGTGG	2160
Db	1936	TTCAAGGACAGTTACCACAACCTGCGCTATCCATCCACGATGTGCCAGCTCCGTGG	1995
Qy	2161	AAGAGTAAGCTCCTTGTCACTACAGGAGATCCCCTTTATCACATCTGAATGGCACG	2220
Db	1996	AAGAGTAAGCTCCTTGTCACTACAGGAGATCCCCTTTATCACATCTGAATGGCACG	2055
Qy	2221	CAGCGGTACTTGCACCTTCACCTGGAGCGTCAAGCCCCAGCACTAGTGACCTG	2280
Db	2056	CAGCGGTACTTGCACCTTCACCTGGAGCGTCAAGCCCCAGCACTAGTGACCTG	2115
Qy	2281	GCCTGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGCAGAGCTTCAGCATCAACTTC	2340
Db	2116	GCCTGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGCAGAGCTTCAGCATCAACTTC	2175
Qy	2341	AACATCACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGTC	2400
Db	2176	AACATCACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGTC	2235
Qy	2401	CCAGCCCTGGGGCCCCAGTGCCTCAAGATCCCCCTCATTGGCAGAAGATAATT	2460
Db	2236	CCAGCCCTGGGGCCCCAGTGCCTCAAGATCCCCCTCATTGGCAGAAGATAATT	2295
Qy	2461	TCCAGCCTGGACCCACCCCTGTAGGCAGGGTGCCGACTGGCGACTCTGGCCCAGAAACTC	2520
Db	2296	TCCAGCCTGGACCCACCCCTGTAGGCAGGGTGCCGACTGGCGACTCTGGCCCAGAAACTC	2355
Qy	2521	CACCTGGACAGCCATCTCAGCTTGCCTCCAAGCCCAGCCCCACAGCCATGATCCTC	2580
Db	2356	CACCTGGACAGCCATCTCAGCTTGCCTCCAAGCCCAGCCCCACAGCCATGATCCTC	2415

Qy 2581 AACCTGTGGGAGGCAGCGGGCACTTCCCCAACGGCAACCTCAGCCAGCTGGCTGCAGCAGTG 2640
| |||||||
Db 2416 AACCTGTGGGAGGCAGCGGGCACTTCCCCAACGGCAACCTCAGCCAGCTGGCTGCAGCAGTG 2475
| |||||||
Qy 2641 GCTGGACTGGGCCAGCCAGACGCTGGCCTTTCACAGTGTGGAGGCTGAGTGCTGA 2697
| |||||||
Db 2476 GCTGGACTGGGCCAGCCAGACGCTGGCCTTTCACAGTGTGGAGGCTGAGTGCTGA 2532

RESULT 5

US-10-311-623-13

; Sequence 13, Application US/10311623
; Publication No. US20040023244A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.; GRIFFIN, Jennifer A.
; APPLICANT: KALLICK, Deborah A.; TRIBOULEY, Catherine M.
; APPLICANT: YUE, Henry; NGUYEN, Danniel B.
; APPLICANT: TANG, Y. Tom; LAL, Preeti G.
; APPLICANT: POLICKY, Jennifer L.; AZIMZAI, Yalda
; APPLICANT: LU, Dyung Aina M.; GRAUL, Richard C.
; APPLICANT: YAO, Monique G.; BURFORD, Neil
; APPLICANT: HAFALIA, April J. A.; BAUGHN, Mariah R.
; APPLICANT: BANDMAN, Olga; ARVIZU, Chandra S.
; APPLICANT: YANG, Junming; XU, Yuming
; APPLICANT: GANDHI, Ameena R.; WARREN, Bridget A.
; APPLICANT: DING, Li; SANJANWALA, Madhusudan M.
; APPLICANT: DUGGAN, Brendan M.; LU, Yan
; TITLE OF INVENTION: RECEPTORS
; FILE REFERENCE: PF-0793 USN
; CURRENT APPLICATION NUMBER: US/10/311,623
; CURRENT FILING DATE: 2002-12-17
; PRIOR APPLICATION NUMBER: US 01/19942
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/214,027
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: US 60/228,045
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: US 60/255,104
; PRIOR FILING DATE: 2000-12-12
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PERL Program
; SEQ ID NO 13
; LENGTH: 3580
; TYPE: DNA
; ORGANISM: Homo sapiens
; ..FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20040023244A1 6052371CB1

US-10-311-623-13

Query Match 86.9%; Score 2343; DB 17; Length 3580;
Best Local Similarity 93.6%; Pred. No. 0;
Matches 2524; Conservative 0; Mismatches 5; Indels 168; Gaps 1;

Qy 1 ATGGCCGTCCGGCCGGCCTGTGGCCAGCGCTCCTGGCATAGTCCTGCCGTTGGCTC 60
| |||||||
Db 4 ATGGCCGTCCGGCCGGCCTGTGGCCAGCGCTCCTGGCATAGTCCTGCCGTTGGCTC 63

Qy	61	CGCGGCTCGGTGCCAGCAGACTGCCACCGTGGCAACCCAGTGCCTGGTGCAACCCG	120
Db	64	CGCGGCTCGGTGCCAGCAGACTGCCACCGTGGCAACCCAGTGCCTGGTGCAACCCG	123
Qy	121	GACCTGCTCCCCACTTCCTGGTGGAGCCCGAGGATGTGTACATCGTAAGAACAAAGCCA	180
Db	124	GACCTGCTCCCCACTTCCTGGTGGAGCCCGAGGATGTGTACATCGTAAGAACAAAGCCA	183
Qy	181	GTGCTGCTTGTGTGCAAGGCCGTGCCGCCACGCAGATCTCTCAAGTGCAACGGGAG	240
Db	184	GTGCTGCTTGTGTGCAAGGCCGTGCCGCCACGCAGATCTCTCAAGTGCAACGGGAG	243
Qy	241	TGGGTGCCAGGTGGACCACGTGATCGAGCGCAGCACAGACGGGAGCAGTGGCTGCC	300
Db	244	TGGGTGCCAGGTGGACCACGTGATCGAGCGCAGCACAGACGGGAGCAGTGGCTGCC	303
Qy	301	ACCATGGAGGTCCGCATTAATGTCTCAAGGCAGCAGGTGAGAAGGTGTTGGCTGGAG	360
Db	304	ACCATGGAGGTCCGCATTAATGTCTCAAGGCAGCAGGTGAGAAGGTGTTGGCTGGAG	363
Qy	361	GAATACTGGTGCCAGTGCCTGGCATGGAGCTCCTGGGCCACCACCAAGAGTCAGAAGGCC	420
Db	364	GAATACTGGTGCCAGTGCCTGGCATGGAGCTCCTGGGCCACCACCAAGAGTCAGAAGGCC	423
Qy	421	TACATCCGCATAGCCAGATTGCGCAAGAACATTGAGCAGGAGCCGCTGGCCAAGGAGGTG	480
Db	424	TACATCCGCATAGCCTATTGCGCAAGAACATTGAGCAGGAGCCGCTGGCCAAGGAGGTG	483
Qy	481	TCCCTGGAGCAGGGCATCGTGCCTGCCCTGCCGTCCACCGGAGGGCATCCCTCCAGCCGAG	540
Db	484	TCCCTGGAGCAGGGCATCGTGCCTGCCCTGCCGTCCACCGGAGGGCATCCCTCCAGCCGAG	543
Qy	541	GTGGAGTGGCTCCGGAACGAGGACCTGGTGGACCCGTCCTGGACCCCAATGTATACATC	600
Db	544	GTGGAGTGGCTCCGGAACGAGGACCTGGTGGACCCGTCCTGGACCCCAATGTATACATC	603
Qy	601	ACGCGGGAGCACAGCCTGGTGGTGCACAGGCCCGCCTGCTGACACGGCCAACATACACC	660
Db	604	ACGCGGGAGCACAGCCTGGTGGTGCACAGGCCCGCCTGCTGACACGGCCAACATACACC	663
Qy	661	TGCGTGGCCAAGAACATCGTGGCACGTGCCGCAGGCCCTCCGCTGCTGTATCGTCTAC	720
Db	664	TGCGTGGCCAAGAACATCGTGGCACGTGCCGCAGGCCCTCCGCTGCTGTATCGTCTAC	723
Qy	721	GTGAACGGTGGTGGTCACGTGGACCGAGTGGCCGTCTGCAGGCCAGCTGTGGCGC	780
Db	724	GTG-----	726
Qy	781	GGCTGGCAGAACGGAGCCGGAGCTGCACCAACCCGGCGCTCTAACGGGGCGCTTC	840
Db	727	-----	726
Qy	841	TGTGAGGGCAGAATGTCCAGAAAACAGCCTGCCACCCGTGCCAGTAGACGGCAGC	900
Db	727	-----	735

Qy	901	TGGAGCCCGTGGAGCAAGTGGTCGGCCTGTTGGACTGCACCCACTGGCGAGCCGT	960
Db	736	TGGAGCCCGTGGAGCAAGTGGTCGGCCTGTTGGACTGCACCCACTGGCGAGCCGT	795
Qy	961	GAGTGCTCTGACCCAGCACCCCGAACGGAGGGAGGAGTGCCAGGGACTGACCTGGAC	1020
Db	796	GAGTGCTCTGACCCAGCACCCCGAACGGAGGGAGGAGTGCCAGGGACTGACCTGGAC	855
Qy	1021	ACCCGCAACTGTACCAGTGACCTCTGTGTACACAGTGCTTCTGCCCTGAGGACGTGGCC	1080
Db	856	ACCCGCAACTGTACCAGTGACCTCTGTGTACACACTGCTTCTGCCCTGAGGACGTGGCC	915
Qy	1081	CTCTATGTGGGCCTCATGCCGTGGCGCTGCCTGGTCTGCTGCTGCTGTCCCTCATC	1140
Db	916	CTCTATGTGGGCCTCATGCCGTGGCGCTGCCTGGTCTGCTGCTGCTGTCCCTCATC	975
Qy	1141	CTCGTTATTGCCGGAAGAAGGAGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTC	1200
Db	976	CTCGTTATTGCCGGAAGAAGGAGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTC	1035
Qy	1201	ACCTCAGGCTTCCAGCCCGTCAGCATCAAGCCCAGCAAAGCAGACAACCCCCATCTGCTC	1260
Db	1036	ACCTCAGGCTTCCAGCCCGTCAGCATCAAGCCCAGCAAAGCAGACAACCCCCATCTGCTC	1095
Qy	1261	ACCATCCAGCCGGACCTCAGCACCACCACCTACCAGGGCAGTCTCTGTCCCCGG	1320
Db	1096	ACCATCCAGCCGGACCTCAGCACCACCACCTACCAGGGCAGTCTCTGTCCCCGG	1155
Qy	1321	CAGGATGGCCCAGCCCCAAGTCCAGCTACCAATGGCACCTGCTCAGCCCCCTGGGT	1380
Db	1156	CAGGATGGCCCAGCCCCAAGTCCAGCTACCAATGGCACCTGCTCAGCCCCCTGGGT	1215
Qy	1381	GGCGGCCGCCACACACTGCACCACAGCTCTCCACCTCTGAGGCCGAGGAGTCGTCTCC	1440
Db	1216	GGCGGCCGCCACACACTGCACCACAGCTCTCCACCTCTGAGGCCGAGGAGTCGTCTCC	1275
Qy	1441	CGCCTCTCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGAACATGACCTAT	1500
Db	1276	CGCCTCTCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGAACATGACCTAT	1335
Qy	1501	GGGACCTTCAACTTCTGGGGCCGGCTGATGATCCCTAACAGGTATCAGCCTCTC	1560
Db	1336	GGGACCTTCAACTTCTGGGGCCGGCTGATGATCCCTAACAGGAATCAGCCTCTC	1395
Qy	1561	ATCCCCCAGATGCCATACCCCGAGGGAAAGATCTATGAGATCTACCTCACGCTGCACAAG	1620
Db	1396	ATCCCCCAGATGCCATACCCCGAGGGAAAGATCTATGAGATCTACCTCACGCTGCACAAG	1455
Qy	1621	CCGGAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCATCGTAGC	1680
Db	1456	CCGGAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCATCGTAGC	1515
Qy	1681	TGTGGACCCCTGGCGTCTGCTCACCCGCCAGTCATCCTGGCTATGGACCACTGTGGG	1740
Db	1516	TGTGGACCCCTGGCGTCTGCTCACCCGCCAGTCATCCTGGCTATGGACCACTGTGGG	1575
Qy	1741	GAGCCCAGCCCTGACAGCTGGAGCCTGCGCCTCAAAAAGCAGTCGTGCGAGGGCAGCTGG	1800

Db	1576	GAGCCCAGCCCTGACAGCTGGAGCCTGCCTCAAAAGCAGTCGTGCAGGGCAGCTGG 1635	
Qy	1801	GAGGATGTGCTGCACCTGGCGAGGAGGCCCTCCACCTCTACTACTGCCAGCTGGAG 1860	
Db	1636	GAGGATGTGCTGCACCTGGCGAGGAGGCCCTCCACCTCTACTACTGCCAGCTGGAG 1695	
Qy	1861	GCCAGTGCCTGCTACGTCTCACCGAGCAGCTGGGCCCTTGCCCTGGGGAGAGGCC 1920	
Db	1696	GCCAGTGCCTGCTACGTCTCACCGAGCAGCTGGGCCCTTGCCCTGGGGAGAGGCC 1755	
Qy	1921	CTCAGCGTGGCTGCCCAAGGCCCTCAAGCTGCTTGTGCGCCGGTGGCTGCACC 1980	
Db	1756	CTCAGCGTGGCTGCCCAAGGCCCTCAAGCTGCTTGTGCGCCGGTGGCTGCACC 1815	
Qy	1981	TCCCTCGAGTACAACATCCGGTCACTGCCTGCATGACACCCACGATGCACTCAAGGAG 2040	
Db	1816	TCCCTCGAGTACAACATCCGGTCACTGCCTGCATGACACCCACGATGCACTCAAGGAG 1875	
Qy	2041	GTGGTGCAGCTGGAGAAGCAGCTGGGGGACAGCTGATCCAGGAGCCACGGGCCTGCAC 2100	
Db	1876	GTGGTGCAGCTGGAGAAGCAGCTGGGGGACAGCTGATCCAGGAGCCACGGGCCTGCAC 1935	
Qy	2101	TTCAAGGACAGTTACCACAACCTGCGCTATCCATCCACGATGTGCCAGCTCCGTGG 2160	
Db	1936	TTCAAGGACAGTTACCACAACCTGCGCTATCCATCCACGATGTGCCAGCTCCGTGG 1995	
Qy	2161	AAGAGTAAGCTCCTTGTCACTACAGCTACAGGAGATCCCCTTTATCACATCTGGAATGGCAGC 2220	
Db	1996	AAGAGTAAGCTCCTTGTCACTACAGCTACAGGAGATCCCCTTTATCACATCTGGAATGGCAGC 2055	
Qy	2221	CAGCGGTACTTGCACCTCACCTGGAGCGTGTAGCCCCAGCACTAGTGACCTG 2280	
Db	2056	CAGCGGTACTTGCACCTCACCTGGAGCGTGTAGCCCCAGCACTAGTGACCTG 2115	
Qy	2281	GCCTGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGCAGAGCTTCAGCATCAACTTC 2340	
Db	2116	GCCTGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGCAGAGCTTCAGCATCAACTTC 2175	
Qy	2341	AACATCACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGTC 2400	
Db	2176	AACATCACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGTC 2235	
Qy	2401	CCAGCCCTGGTGGCCCCAGTGCCTCAAGATCCCCCTCATTGGCAGAAGATAATT 2460	
Db	2236	CCAGCCCTGGTGGCCCCAGTGCCTCAAGATCCCCCTCATTGGCAGAAGATAATT 2295	
Qy	2461	TCCAGCCTGGACCCACCTGTAGGCGGGTGCCGACTGGCGACTCTGGCCCAGAAACTC 2520	
Db	2296	TCCAGCCTGGACCCACCTGTAGGCGGGTGCCGACTGGCGACTCTGGCCCAGAAACTC 2355	
Qy	2521	CACCTGGACAGCCATCTCAGCTTGCCTCCAAGCCCAGCCCCACAGCCATGATCCTC 2580	
Db	2356	CACCTGGACAGCCATCTCAGCTTGCCTCCAAGCCCAGCCCCACAGCCATGATCCTC 2415	
Qy	2581	AACCTGTGGAGGCAGGGCAGCTCCCCAACGGAACCTCAGCCAGCTGGCTGCAGCAGTG 2640	

Db 2416 AACCTGTGGGAGGCAGCGGCACCTCCCCAACGGCAACCTCAGCCAGCTGGCTGCAGCAGTG 2475
 Qy 2641 GCTGGACTGGGCCAGCCAGACGCTGGCCTTTCACAGTGTGGAGGCTGAGTGCTGA 2697
 |||||||
 Db 2476 GCTGGACTGGGCCAGCCAGACGCTGGCCTTTCACAGTGTGGAGGCTGAGTGCTGA 2532

RESULT 6

US-10-240-154-15

; Sequence 15, Application US/10240154
 ; Publication No. US20030175741A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Cochran et al.
 ; TITLE OF INVENTION: SCHIZOPHRENIA RELATED GENES
 ; FILE REFERENCE: CKFW-P01-006
 ; CURRENT APPLICATION NUMBER: US/10/240,154
 ; CURRENT FILING DATE: 2001-04-02
 ; PRIOR APPLICATION NUMBER: PCT/GB01/01486
 ; PRIOR FILING DATE: 2001-04-02
 ; NUMBER OF SEQ ID NOS: 34
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 15
 ; LENGTH: 2697
 ; TYPE: DNA
 ; ORGANISM: Rattus sp.
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (1)..(2697)

US-10-240-154-15

Query Match 83.5%; Score 2252.2; DB 16; Length 2697;
 Best Local Similarity 89.7%; Pred. No. 0;
 Matches 2419; Conservative 0; Mismatches 278; Indels 0; Gaps 0;

Qy	1 ATGGCCGTCCGGCCCGGCCTGTGGCAGCGCTCCTGGCATAGTCCTGCCGTTGGCTC 60
Db	1 ATGGCCGTCCGGCCCGGCCTGTGGCAGTGCTCCTGGCATAGTCCTGCCGCTGGCTC 60
Qy	61 CGCGGCTCGGGTGCCAGCAGAGTGCCACCGTGGCCAACCCAGTGCCTGGTGCCAACCCG 120
Db	61 CGTGGTTGGGTGCCAGCAGAGTGCCACGGTGGCCAATCCAGTGCCCGGTGCCAACCC 120
Qy	121 GACCTGCTCCCCACTTCCTGGTGGAGGCCAGGATGTGTACATCGTAAGAACAAAGCCA 180
Db	121 GACCTGCTGCCCACTTCCTGGTAGAGCCTGAGGACGTGTACATTGTCAAGAACAAAGCC 180
Qy	181 GTGCTGCTTGTGTGCAAGGCCGTGCCGCCACGCAGATCTCTCAAGTGCAACGGGAG 240
Db	181 GTGTTGTTGGTGTGCAAGGCTGTGCCTGCCACCCAGATCTTCAAGTGCAATGGGAA 240
Qy	241 TGGGTGCCAGGTGGACCACGTGATCGAGCGCAGCACAGACGGGAGCAGTGGCTGCC 300
Db	241 TGGGTGCCAGGTGATCACGTAATTGAACGCAGCACCGACAGCAGCGGATTGCCA 300
Qy	301 ACCATGGAGGTCCGCATTAATGTCTCAAGGCAGCAGGTGAGAAGGTGTTGGCTGGAG 360
Db	301 ACCATGGAGGTCCGTATCACGTATCGAGGCAGCAGGTAGAGAAAGTGTGTTGGCTGGAG 360

Qy	361	GAATACTGGTGCCAGTGCCTGGCATGGAGCTCCTCGGGCACCAAGAGTCAGAAGGCC	420
Db	361	GAATACTGGTGCCAGTGTGTGGCATGGAGCTCCTCGGGTACCAAGAAAGTCAGAAGGCC	420
Qy	421	TACATCCGCATAGCCAGATTGCGCAAGAACATTGAGCAGGAGCCGCTGGCCAAGGAGGTG	480
Db	421	TACATCCGGATTGCCTATTGCGCAAGAACATTGAGCAGGAGCCACTGGCCAAGGAAGTG	480
Qy	481	TCCCTGGAGCAGGGCATCGTGCCTGCCCTGCCGTCCACCGGAGGGCATCCCTCCAGCCGAG	540
Db	481	TCACTGGAGCAAGGCATTGTACTACCTTGTGCCTCCCCAGAAGGAATCCCCCAGCTGAG	540
Qy	541	GTGGAGTGGCTCCGGAACGAGGACCTGGTGGACCCGTCCCTGGACCCCAATGTATACATC	600
Db	541	GTGGAGTGGCTTCGAAATGAGGACCTCGTGGACCCCTCCCTCGATCCAATGTGTACATC	600
Qy	601	ACGCGGGAGCACAGCCTGGTGGTGCACAGGCCGCCCTGCTGACACGGCCAACATACACC	660
Db	601	ACGCGGGAGCACAGCCTAGTCGTGCAGGCCGCCCTGGCGACACGGCCAACATACACC	660
Qy	661	TGCGTGGCCAAGAACATCGTGGCACGTGCCGCAGCGCCTCCGCTGCTGTACATCGTCTAC	720
Db	661	TGTGTGGCCAAGAACATCGTAGCCCGTCCGCCGAAGCACCTCTGCAGCGGTATTGTTAT	720
Qy	721	GTGAACGGTGGGTGGTCACGTGGACCGAGTGGTCCGTCTGCAGGCCAGCTGTGGCGC	780
Db	721	GTGAACGGTGGGTGGTCACGTGGACTGAGTGGTCCGTCTGCAGGCCAGCTGTGGCGT	780
Qy	781	GGCTGGCAGAACGGAGCCGGAGCTGCACCAACCCGGCCCTCTCAACGGGGCGCTTC	840
Db	781	GGCTGGCAGAACGGAGCCGGAGCTGCACCAACCCGGCACCTCTCAACGGGGCGCTTC	840
Qy	841	TGTGAGGGCAGAACATGTCCAGAAAACAGCCTGCACCCCTGTGCCAGTAGACGGCAGC	900
Db	841	TGTGAGGGCAGAACATGTCCAGAAAACAGCCTGCACCCACTCTGTGCCAGTGGATGGAGC	900
Qy	901	TGGAGCCCGTGGAGCAAGTGGTCGGCCTGTGGGCTGGACTGCACCCACTGGCGAGCCGT	960
Db	901	TGGAGTTCGTGGAGTAAGTGGTCAGCCTGTGGGCTTGACTGCACCCACTGGCGAGCCGC	960
Qy	961	GAGTGCTCTGACCCAGCACCCCGCAACGGAGGGAGGAGTGCCAGGGACTGACCTGGAC	1020
Db	961	GAGTGCTCTGACCCAGCACCCCGCAATGGAGGTGAGGAGTGTGGGGTGCTGACCTGGAC	1020
Qy	1021	ACCCGCAACTGTACCAAGTGACCTCTGTGTACACAGTGCTCTGCCCTGAGGACGTGGCC	1080
Db	1021	ACCCGCAACTGTACCAAGTGACCTCTGCCTGCACACCGCTTCTGCCCGAGGACGTGGCT	1080
Qy	1081	CTCTATGTGGGCCTCATGCCGTGGCGTCTGCCCTGGTCTGCTGCTGCTGTCCCTCATC	1140
Db	1081	CTCTACATCGGCCCTTGTGCGCTGTGGCTGTGCTGCTTCTGCTGTTGCTGGCCCTTGG	1140
Qy	1141	CTCGTTATTGCCGGAAGAAGGAGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTC	1200
Db	1141	CTCATTAACTGTCGCAAGAAGGAAGGGCTGGACTCCGATGTGGCCGACTCGTCCATCTC	1200

Qy	1201	ACCTCAGGTTCCAGCCGTCAGCATCAAGCCCAGCAAAGCAGACAACCCCCATCTGCTC	1260
Db	1201	ACCTCGGGTTCCAGCCTGTCAGCATCAAGCCCAGCAAAGCAGACAACCCCCACCTGCTC	1260
Qy	1261	ACCATCCAGCCGGACCTCAGCACCAACCACCACTACCAGGGCAGTCTGTCCCCGG	1320
Db	1261	ACCATCCAGCCAGACCTCAGCACCAACCACCACTACCACCTACCAGGGCAGTCTATGTTCGAGG	1320
Qy	1321	CAGGATGGGCCAGCCCCAAGTCCAGCTCACCAATGGCACCTGCTCAGCCCCCTGGGT	1380
Db	1321	CAGGATGGACCCAGCCCCAAGTCCAGCTCTAATGGCACCTGCTCAGCCACTGGGG	1380
Qy	1381	GGCGGCCGCCACACACTGCACCACAGCTCTCCACCTCTGAGGCCGAGGAGTCGTCTCC	1440
Db	1381	AGTGGCCGCCATACGTTGCACCACAGCTCACCCACCTCTGAGGCTGAGGACTTCGTCTCC	1440
Qy	1441	CGCCTCTCCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGAACATGACCTAT	1500
Db	1441	CGCCTCTCCACCCAAAACTACTTCCGCTCCCTGCCCGCGCACAGAACATGGCCTAC	1500
Qy	1501	GGGACCTTCAACTTCCCTGGGGCCGGCTGATGATCCCTAATACAGGTATCAGCCTCCTC	1560
Db	1501	GGGACCTTCAACTTCCCTGGGGCCGGCTGATGATCCCTAATACGGGATCAGCCTCCTC	1560
Qy	1561	ATCCCCCAGATGCCATACCCCGAGGGAAGATCTATGAGATCTACCTCACGCTGCACAAG	1620
Db	1561	ATACCCCCGGATGCCATCCCCGAGGAAAGATCTACGAGATCTACCTCACACTGCACAAG	1620
Qy	1621	CCGGAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCCATCGTTAGC	1680
Db	1621	CCAGAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCAGTCGTTAGC	1680
Qy	1681	TGTGGACCCCTGGCGTCTGCTCACCGGCCAGTCATCCTGGCTATGGACCACTGTGGG	1740
Db	1681	TGTGGGCCAGGAGTCCTGCTCACCGGCCAGTCATCCTGCAATGGACCACTGTGGA	1740
Qy	1741	GAGCCCAGCCCTGACAGCTGGAGCCTGCCCTCAAAAAGCAGTCGTGCGAGGGCAGCTGG	1800
Db	1741	GAGCCCAGCCCTGACAGCTGGAGTCTGCCCTCAAAAAGCAGTCCTGCGAGGGCAGTTGG	1800
Qy	1801	GAGGATGTGCTGCACCTGGCGAGGAGGGCCCTCCACCTCTACTACTGCCAGCTGGAG	1860
Db	1801	GAGGATGTGCTGCACCTGGTGAGGAGTCACCTCCACCTCTACTACTGCCAGCTGGAG	1860
Qy	1861	GCCAGTGCCTGCTACGTCTTACCGAGCAGCTGGCGCTTGCCTGGGGAGAGGCC	1920
Db	1861	GCCGGGGCCTGCTATGTCTCACGGAGCAGCTGGCGCTTGCCTGGTAGGAGAGGCC	1920
Qy	1921	CTCAGCGTGGCTGCCCCAAGGCCCTCAAGCTGCTTGTGCGCCGGTGGCCTGCACC	1980
Db	1921	CTCAGCGTGGCTGCCACCAAGGCCCTCAGGCTCCTGCTTGTGCTCCGTGGCCTGTACG	1980
Qy	1981	TCCCTCGAGTACAACATCCGGGTCTACTGCCCTGCATGACACCCACGATGCACTCAAGGAG	2040
Db	1981	TCCCTTGAGTACAACATCCGAGTGTACTGCCCTACACGACACCCACGACGCTCTCAAGGAG	2040
Qy	2041	GTGGTGCAGCTGGAGAAGCAGCTGGGGGACAGCTGATCCAGGAGCCACGGGCCTGCAC	2100

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Db 2041 GTGGTGCAGCTGGAGAACAGCTAGGTGGACAGCTGATCCAGGAGCCTCGCGTCCTGCAC 2100

Qy 2101 TTCAAGGACAGTTACCACAACCTGCGCTATCCATCACGATGTGCCAGCTCCCTGTGG 2160
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Db 2101 TTCAAAGACAGTTACCACAACCTACGTCTCCATCCACGACGTGCCAGCTCCCTGTGG 2160

Qy 2161 AAGAGTAAGCTCCTGTCAGCTACCAGGAGATCCCCTTATCACATCTGGAATGGCACG 2220
||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 2161 AAGAGCAAGCTACTTGTCACTACCAGGAGATCCCCTTACACATCTGGAACGGCACC 2220

Qy 2221 CAGCGGTACTTGCACCTTCACCCGGAGCGTGTCAAGCCCCAGCACTAGTGACCTG 2280
||||| ||||| ||||| ||||| ||||| |||||
Db 2221 CAGCAGTATCTGCACCTTCACCCGGAGCGCATCAACGCCAGCACAGCGACCTG 2280

Qy 2281 GCCTGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGAGAGCTTCAGCATCAACTC 2340
||||| ||||| ||||| ||||| |||||
Db 2281 GCCTGCAAGGTGTGGGTGTGGCAGGTGGAGGGAGATGGCAGAGCTAACATCAACTC 2340

Qy 2341 AACATCACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGTC 2400
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Db 2341 AACATCACTAAGGACACAAGGTTGCTGAATTGTTGGCTCTGGAGAGTGAAGGGGGGTC 2400

Qy 2401 CCAGCCCTGGTGGGCCAGTGCCTCAAGATCCCCTCCTCATTGGCAGAAGATAATT 2460
||||| ||||| |||||
Db 2401 CCAGCCCTGGTGGGCCAGTGCCTCAAGATCCCCTCCTCATTGGCAGAAGATCATC 2460

Qy 2461 TCCAGCCTGGACCCACCCGTAGGCAGGGTGCCGACTGGCGGACTCTGGCCAGAAACTC 2520
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Db 2461 GCCAGTCTGGACCCACCCGTGCAGCCGGGGCGCCGACTGGAGAACTCTAGCCCAGAAACTT 2520

Qy 2521 CACCTGGACAGCCATCTCAGCTTGCCTCCAAGCCCAGCCCCACAGCCATGATCCTC 2580
||||| |||||
Db 2521 CACCTGGACAGCCATCTAGCTTGCCTCCAAGCCCAGCCCCACAGCCATGATCCTC 2580

Qy 2581 AACCTGTGGAGGCGCGGACTTCCCAACGGCAACCTCAGCCAGCTGGCTGCAGCAGTG 2640
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Db 2581 AACCTATGGGAGGCACGGCACTTCCCAACGGCAACCTCGGCCAGCTGGCAGCTGTG 2640

Qy 2641 GCTGGACTGGGCCAGCCAGACGCTGGCTTTCACAGTGTGGAGGCTGAGTGCTGA 2697
||||| |||||
Db 2641 GCCGGACTGGCCAACCAGATGCTGGCTTTCACGGTGTGGAGGCCAGTGTTGA 2697

RESULT 7

US-09-933-261-1

; Sequence 1, Application US/09933261

; Publication No. US20030040046A1

; GENERAL INFORMATION:

; APPLICANT: Tessier-Lavigne, Marc
; Leonardo, E. David
; Hink, Lindsay
; Masu, Masayuki
; Kazuko, Keino-Masu

; TITLE OF INVENTION: Netrin Receptors

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
STREET: 268 BUSH STREET, SUITE 3200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/933,261
FILING DATE: 20-Aug-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/808,982
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: UC96-217

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 343-4341
TELEFAX: (415) 343-4342

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 3014 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear

MOLECULE TYPE: cDNA

SEQUENCE DESCRIPTION: SEQ ID NO: 1:

US-09-933-261-1

Query Match 83.5%; Score 2252.2; DB 10; Length 3014;
Best Local Similarity 89.7%; Pred. No. 0;
Matches 2419; Conservative 0; Mismatches 278; Indels 0; Gaps 0;

Qy	1	ATGGCCGTCCGGCCGGCCTGTGGCCAGCGCTCCTGGGCATAGTCCTGCCGCTGGCTC 60
Db	1	
Qy	61	CGCGGCTCGGGTGCCAGCAGAGTGCCACCGTGCCAAACCCAGTGCCTGGTGCCAACCCG 120
Db	61	
Qy	121	GACCTGCTCCCCACTTCCTGGTGGAGCCCGAGGAATGTGTACATCGTCAAGAACAGCCA 180
Db	121	
Qy	181	GTGCTGCTTGTGTGCAAGGCCGTGCCACCGCAGATCTCTTCAAGTGCACAGGGGAG 240
Db	181	
Qy	241	TGGGTGCCAGGTGGACCACGTGATCGAGCGCAGCACAGACGGGAGCAGTGGCTGCC 300

Db	241	TGGGTCCGCCAGGTCATCACGTAATTGAACGCAGCACCACAGCAGCGGATTGCCA	300
Qy	301	ACCATGGAGGTCCGCATTAATGTCTCAAGGCAGCAGGTCGAGAAGGTGTTGGCTGGAG	360
Db	301		
Qy	361	ACCATGGAGGTCCGTATCAACGTATCGAGGCAGCAGGTAGAGAAAGTGTGTTGGCTGGAG	360
Db	361		
Qy	361	GAATACTGGTGCCAGTGCCTGGCATGGAGCTCCTCGGGCACCACCAAGAGTCAGAAGGCC	420
Db	361		
Qy	421	GAATACTGGTGCCAGTGTGTGGCATGGAGCTCCTCGGGTACCAACCAAGTCAGAAGGCC	420
Db	421		
Qy	481	TACATCCGCATAGCCAGATTGCGCAAGAACCTCGAGCAGGAGCCGCTGGCCAAGGAGGTG	480
Db	481		
Qy	481	TACATCCGATTGCCTATTGCGCAAGAACCTTGAGCAGGAGCCACTGGCCAAGGAAGTG	480
Db	481		
Qy	541	TCCCTGGAGCAGGGCATCGTGCCTGCCCTGCCGTCCACCGGAGGGCATCCCTCCAGCCGAG	540
Db	541		
Qy	541	TCACTGGAGCAAGGCATTGTACTACCTTGTGCCCCCAGAAGGAATCCCCCAGCTGAG	540
Db	541		
Qy	601	GTGGAGTGCTCCGGAACGAGGACCTGGTGGACCCGTCCTGGACCCCAATGTATACATC	600
Db	601		
Qy	601	GTGGAGTGCTTCGAAATGAGGACCTCGTGGACCCCTCCGATCCCAATGTGTACATC	600
Db	601		
Qy	661	ACGCGGGAGCACAGCCTGGTGGCGACAGGCCGCTTGCTGACACGCCAACTACACC	660
Db	661		
Qy	661	ACGCGGGAGCACAGCCTAGTCGTGCGTCAGGCCGCTGGCGACACGCCAACTACACC	660
Db	661		
Qy	721	TGCGTGGCCAAGAACATCGTGGCACGTCGCCGCAGGCCCTCCGCTGCTGTGTCATCGTCTAC	720
Db	721		
Qy	721	TGCGTGGCCAAGAACATCGTAGCCGTGCCGAAGCACCTCTGCAGCGGTATTGTTAT	720
Db	721		
Qy	781	GTGAACGGTGGTGGTCACGTGGACCGAGTGGTCCGCTGCAGGCCAGCTGTGGCGC	780
Db	781		
Qy	781	GTGAACGGTGGTGGTCACGTGGACTGAGTGGTCCGCTGCAGGCCAGCTGTGGCGT	780
Db	781		
Qy	781	GGCTGGCAGAACGGAGCCGGAGCTGCACCAACCGGCCCTCTAACGGGGCGCTTC	840
Db	781		
Qy	781	GGCTGGCAGAACGGAGCCGGAGCTGCACCAACCGGCCACCTCTAACGGGGCGCTTC	840
Db	781		
Qy	841	TGTGAGGGGCAGAACATGTCCAGAAAACAGCCTGCCACCCCTGTGCCAGTAGACGGCAGC	900
Db	841		
Qy	841	TGTGAGGGGCAGAACATGTCCAGAAAACAGCCTGCCACTCTGTGCCAGTGGATGGAGC	900
Db	841		
Qy	901	TGGAGCCCGTGGAGCAAGTGGTCGGCCTGTGGCTGGACTGCACCCACTGGCGAGCCGT	960
Db	901		
Qy	901	TGGAGTTCGTGGAGTAAGTGGTCAGCCTGTGGCTTGACTGCACCCACTGGCGAGCCGC	960
Db	901		
Qy	961	GAGTGCTCTGACCCAGCACCCCGAACGGAGGGAGGTGCCAGGGCACTGACCTGGAC	1020
Db	961		
Qy	961	GAGTGCTCTGACCCAGCACCCCGAACGGAGGTGAGGAGTGTGGCTGTGACCTGGAC	1020
Db	961		
Qy	1021	ACCCGCAACTGTACCAAGTGACCTCTGTGTACACAGTGCTTCTGCCCTGAGGACGTGGCC	1080
Db	1021		
Qy	1021	ACCCGCAACTGTACCAAGTGACCTCTGCCCTGCACACCGCTTCTGCCCGAGGACGTGGCT	1080
Db	1021		
Qy	1081	CTCTATGTGGCCTCATGCCGTGGCGCTGCCTGGCTCTGCTGCTGCTTGTCCCTCATC	1140
Db	1081		
Qy	1081	CTCTACATCGGCCTTGTGCGTGTGGCTGTGCTCTTGTGCTGGCCCTGGGA	1140
Db	1081		

Qy	1141	CTCGTTATTGCCGGAAGAAGGAGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTC	1200
Db	1141	CTCATTACTGTCGAAGAAGGAAGGGCTGGACTCCGATGTGGCGACTCGTCCATCTC	1200
Qy	1201	ACCTCAGGTTCCAGCCCGTCAGCATCAAGCCCAGCAAAGCAGACAACCCCCATCTGCTC	1260
Db	1201	ACCTCAGGTTCCAGCCTGTCAGCATCAAGCCCAGCAAAGCAGACAACCCCCACCTGCTC	1260
Qy	1261	ACCATCCAGCCGGACCTCAGCACCAACCACCTACCAGGGCAGTCTGTCCCCGG	1320
Db	1261	ACCATCCAGCCAGACCTCAGCACCAACCACCTACCAGGGCAGTCTATGTTCGAGG	1320
Qy	1321	CAGGATGGGCCAGCCCCAAGTCCAGCTACCAATGGCACCTGCTCAGCCCCCTGGGT	1380
Db	1321	CAGGATGGACCAGCCCCAAGTCCAGCTCTAATGGCACCTGCTCAGCCCAGTGGGG	1380
Qy	1381	GGCGGCCGCCACACACTGCACCACAGCTCTCCACCTCTGAGGCCGAGGAGTCGTCTCC	1440
Db	1381	AGTGGCCGCCATACGTTGCACCACAGCTCACCCACCTCTGAGGCTGAGGACTTCGTCTCC	1440
Qy	1441	CGCCTCTCCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGAACATGACCTAT	1500
Db	1441	CGCCTCTCCACCCAAAACTACTTCCGTTCCCTGCCCGCGCACAGAACATGGCCTAC	1500
Qy	1501	GGGACCTTCAACTTCTCGGGGCCGGCTGATGATCCCTAACAGGTATCAGCCTCCTC	1560
Db	1501	GGGACCTTCAACTTCTCGGGGCCGGCTGATGATCCCTAACAGGGATCAGCCTCCTC	1560
Qy	1561	ATCCCCCAGATGCCATACCCCGAGGGAAAGATCTATGAGATCTACCTCACGCTGCACAAG	1620
Db	1561	ATACCCCCGGATGCCATACCCCGAGGGAAAGATCTACGAGATCTACCTCACACTGCACAAG	1620
Qy	1621	CCGGAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCCATCGTTAGC	1680
Db	1621	CCAGAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCAGTCGTTAGC	1680
Qy	1681	TGTGGACCCCTGGCGTCTGCTCACCGGCCAGTCATCCTGGCTATGGACCAGTGTGGG	1740
Db	1681	TGTGGACCCCTGGAGTCCTGCTCACCGGCCAGTCATCCTGGCAATGGACCAGTGTGGA	1740
Qy	1741	GAGCCCAGCCCTGACAGCTGGAGCCTGCCCTCAAAAGCAGTCGTGCGAGGGCAGCTGG	1800
Db	1741	GAGCCCAGCCCTGACAGCTGGAGTCCTGCCCTCAAAAGCAGTCCTGCGAGGGCAGTTGG	1800
Qy	1801	GAGGATGTGCTGCACCTGGCGAGGAGGCCCTCCACCTCTACTACTGCCAGCTGGAG	1860
Db	1801	GAGGATGTGCTGCACCTGGTGAGGAGTCACCTCCACCTCTACTACTGCCAGCTGGAG	1860
Qy	1861	GCCAGTGCCTGCTACGTCTTCACCGAGCAGCTGGCCGCTTGCCTGGTGGAGAGGCC	1920
Db	1861	GCCGGGGCCTGCTATGTCTCACGGAGCAGCTGGCCGCTTGCCTGGTAGGAGAGGCC	1920
Qy	1921	CTCAGCGTGGCTGCCGCAAGCGCCTCAAGCTGCTTGTGCGCCGGTGGCCTGCACC	1980
Db	1921	CTCAGCGTGGCTGCCACCAAGCGCCTCAGGCTCCTCTGTTGCTCCGGCCTGTACG	1980

Qy	1981	TCCCTCGAGTACAACATCCGGGTCACTGCCTGCATGACACCCACGATGCACTCAAGGAG	2040
Db	1981	TCCCTTGAGTACAACATCCGAGTGTACTGCCTACACGACACCCACGACGCTCTCAAGGAG	2040
Qy	2041	GTGGTGCAGCTGGAGAAGCAGCTGGGGGACAGCTGATCCAGGAGCCACGGTCCTGCAC	2100
Db	2041	GTGGTGCAGCTGGAGAAGCAGCTAGGTGGACAGCTGATCCAGGAGCCTCGCGTCCTGCAC	2100
Qy	2101	TTCAAGGACAGTTACCACAAACCTGCGCTATCCATCCACGATGTGCCAGCTCCGTGG	2160
Db	2101	TTCAAAGACAGTTACCACAAACCTACGTCTCCATCCACGACGTGCCAGCTCCGTGG	2160
Qy	2161	AAGAGTAAGCTCCTTGTAGCTACCAGGAGATCCCTTTATCACATCTGGAATGGCACG	2220
Db	2161	AAGAGCAAGCTACTTGTAGCTACCAGGAGATCCCTTTACACATCTGGAACGGCAC	2220
Qy	2221	CAGCGGTACTTGCACTGCACCTTCACCCCTGGAGCGTGTCAAGCCCCAGCACTAGTGACCTG	2280
Db	2221	CAGCAGTATCTGCACTGCACCTTCACCCCTGGAGCGCATCAACGCCAGCACAGCAGCTG	2280
Qy	2281	GCCTGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGCAGAGCTTCAGCATCAACTC	2340
Db	2281	GCCTGCAAGGTGTGGGTGTGGCAGGTGGAGGGAGATGGCAGAGCTCAACATCAACTC	2340
Qy	2341	AACATCACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGTC	2400
Db	2341	AACATCACTAAGGACACAAGGTTGCTGAATTGTTGGCTCTGGAGAGTGAAGGGGGTC	2400
Qy	2401	CCAGCCCTGGTGGCCCCAGTGCCTCAAGATCCCCTCCTCATTGGCAGAAGATAATT	2460
Db	2401	CCAGCCCTGGTGGCCCCAGTGCCTCAAGATCCCCTCCTCATTGGCAAAAGATCATC	2460
Qy	2461	TCCAGCCTGGACCCACCCCTGTAGGCGGGTGCCGACTGGCGACTCTGGCCCAGAAACTC	2520
Db	2461	GCCAGTCTGGACCCACCCCTGCAGCCGGGGCGCAGCTGGAGAACTCTAGCCCAGAAACTT	2520
Qy	2521	CACCTGGACAGCCATCTCAGCTTCTTGCCCTCAAGCCCAGCCCCACGCCATGATCCTC	2580
Db	2521	CACCTGGACAGCCATCTAGCTTCTTGCCCTCAAGCCCAGCCCTACGCCATGATCCTC	2580
Qy	2581	AACCTGTGGAGGCAGCGGGCACTTCCCCAACGGCAACCTCAGCCAGCTGGCTGCAGCAGTG	2640
Db	2581	AACCTATGGGAGGCAGGCACGGCACTTCCCCAACGGCAACCTCGGCCAGCTGGCAGCAGCTGTG	2640
Qy	2641	GCTGGACTGGGCCAGCCAGACGCTGGCTTTCACAGTGTGGAGGCTGAGTGCTGA	2697
Db	2641	GCCGGACTGGCCAACCAGATGCTGGCTTTCACGGTGTGGAGGCCAGGTGTTGA	2697

RESULT 8

US-10-256-702-1

; Sequence 1, Application US/10256702

; Publication No. US20030059859A1

; GENERAL INFORMATION:

; APPLICANT: Tessier-Lavigne, Marc

; Leonardo, E. David

; Hink, Lindsay

; Masu, Masayuki
; Kazuko, Keino-Masu
TITLE OF INVENTION: Netrin Receptors
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/256,702
; FILING DATE: 27-Sep-2002
; CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/933,261
; FILING DATE: 20-Aug-2001
; APPLICATION NUMBER: 08/808,982
; FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: UC96-217
TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
; LENGTH: 3014 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-256-702-1

Query Match 83.5%; Score 2252.2; DB 14; Length 3014;
Best Local Similarity 89.7%; Pred. No. 0;
Matches 2419; Conservative 0; Mismatches 278; Indels 0; Gaps 0;

Qy 1 ATGGCCGTCCGGCCCCGCTGTGGCCAGCGCTCCTGGCATAGTCCTGCCGTTGGCTC 60
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1 ATGGCCGTCCGGCCCCGCTGTGGCCAGTGCTCCTGGCATAGTCCTGCCGCTGGCTT 60

Qy 61 CGCGGCTCGGGTGCCAGCAGAGTGCCACCGTGGCAACCCAGTGCCTGGTGCCAACCCG 120
|| | ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 61 CGTGGTTGGGTGCCAGCAGAGTGCCACGGTGGCAATCCAGTGCCCGGTGCCAACCC 120

Qy 121 GACCTGCTCCCCACTTCCTGGTAGAGCCTGAGGACGTGTACATTGTCAAGAACAGCCA 180
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 121 GACCTGCTGCCCACTTCCTGGTAGAGCCTGAGGACGTGTACATTGTCAAGAACAGCCA 180

Qy	181	GTGCTGTTGTGCAAGGCCGTGCCGCCACGCAGATCTTCTCAAGTGCAACGGGGAG	240
Db	181	GTGTTGGTGTGCAAGGCTGTGCCACCCAGATCTTCTCAAGTGCAATGGGAA	240
Qy	241	TGGGTGCGCCAGGTGGACCACGTGATCGAGCGCAGCACAGACGGGAGCAGTGGCTGCC	300
Db	241	TGGGTCCGCCAGGTGATCACGTAATTGAACGCAGCACCGACAGCAGCGGATTGCCA	300
Qy	301	ACCATGGAGGTCCGCATTAATGTCTCAAGGCAGCAGTCGAGAAGGTGTTGGCTGGAG	360
Db	301	ACCATGGAGGTCCGTATCACGTATCGAGGCAGCAGGTAGAGAAAAGTGTGTTGGCTGGAG	360
Qy	361	GAATACTGGTGCCAGTGCCTGGCATGGAGCTCCTCGGGCACCAAGAGTCAGAAGGCC	420
Db	361	GAATACTGGTGCCAGTGTGGCATGGAGCTCCTCGGGTACCAACAAAAGTCAGAAGGCC	420
Qy	421	TACATCCGCATAGCCAGATTGCGCAAGAACCTCGAGCAGGAGCCGTGCCAAGGAGGTG	480
Db	421	TACATCCGGATTGCCATTGCGCAAGAACCTTGAGCAGGAGCCACTGCCAAGGAAGTG	480
Qy	481	TCCCTGGAGCAGGGCATCGTGCTGCCCTGCCGTCCACCGGAGGGCATCCCTCCAGCCGAG	540
Db	481	TCACTGGAGCAAGGCATTGTAACCTTGCGCCCCCAGAAGGAATCCCCCAGCTGAG	540
Qy	541	GTGGAGTGGCTCCGAACGAGGACCTGGTGGACCCGTCCCTGGACCCCAATGTATACATC	600
Db	541	GTGGAGTGGCTTCGAAATGAGGACCTCGTGGACCCCTCCCTCGATCCCAATGTGTACATC	600
Qy	601	ACGCGGGAGCACAGCCTGGTGGCGACAGGCCGCCCTGCTGACACGCCAACTACACC	660
Db	601	ACGCGGGAGCACAGCCTAGTCGTGCGTCAGGCCGCCCTGGCGACACGCCAACTACACC	660
Qy	661	TGCGTGGCCAAGAACATCGTGGCACGTGCCAGCGCCTCCGCTGCTGTCATCGTCTAC	720
Db	661	TGTGTGGCCAAGAACATCGTAGCCGTGCCGAAGCACCTCTGCAGCGGTATTGTTAT	720
Qy	721	GTGAACGGTGGTGGTCACGTGGACCGAGTGGTCCGTCTGCAGGCCAGCTGTGGCGC	780
Db	721	GTGAACGGTGGTGGTCACGTGGACTGAGTGGTCCGTCTGCAGGCCAGCTGTGGCGT	780
Qy	781	GGCTGGCAGAAACGGAGCCGGAGCTGCACCAACCAGGCCCTCTCAACGGGGCGCTTC	840
Db	781	GGCTGGCAGAAACGGAGCCGGAGCTGCACCAACCAGGCCACCTCTCAACGGGGCGCTTC	840
Qy	841	TGTGAGGGCAGAATGTCCAGAAAACAGCCTGCCACCCGTGCCAGTAGACGGCAGC	900
Db	841	TGTGAGGGCAGAATGTCCAGAAAACAGCCTGCCACTCTGTGCCAGTGGATGGAGC	900
Qy	901	TGGAGCCCCTGGAGCAAGTGGTGGCCCTGTGGGACTGCACCCACTGGCGAGCCGT	960
Db	901	TGGAGTTCGTGGAGTAAGTGGTCAGCCTGTGGGCTTGACTGCACCCACTGGCGAGCCGC	960
Qy	961	GAGTGCTCTGACCCAGCACCCCGCAACGGAGGGAGGAGTGCAGGGCACTGACCTGGAC	1020
Db	961	GAGTGCTCTGACCCAGCACCCCGCAATGGAGGTGAGGAGTGTGCGGGTGTGACCTGGAC	1020

Qy	1021	ACCCGCAACTGTACCAGTGACCTCTGTGTACACAGTGCTTCTGCCCTGAGGACGTGCC	1080
Db	1021	ACCCGCAACTGTACCAGTGACCTCTGCCCTGCACACCGCTTCTGCCCGAGGACGTGGCT	1080
Qy	1081	CTCTATGTGGCCTCATGCCGTGGCGCTGCCTGGCCTGCTGCTGCTTCATC	1140
Db	1081	CTCTACATCGGCCTTGTGCTGTTGCTGCTTCCTGCTGTTGCTGGCCCTTGGGA	1140
Qy	1141	CTCGTTATTGCCGGAAGAAGGAGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTC	1200
Db	1141	CTCATTACTGTGCGCAAGAAGGAAGGGCTGGACTCCGATGTGGCCGACTCGTCCATCCTC	1200
Qy	1201	ACCTCAGGCTTCCAGCCCAGCATCAAGCCCAGCAAAGCAGACAACCCCCATCTGCTC	1260
Db	1201	ACCTCGGGCTTCCAGCCTGTCAGCATCAAGCCCAGCAAAGCAGACAACCCCCACCTGCTC	1260
Qy	1261	ACCATCCAGCCGGACCTCAGCACCAACCACCACTACCAGGGCAGTCTGTCCCCGG	1320
Db	1261	ACCATCCAGCCAGACCTCAGCACCAACCACCACTACCAGGGCAGTCTATGTTCGAGG	1320
Qy	1321	CAGGATGGGCCAGCCCCAAGTCCAGCTACCAATGGCACCTGCTCAGCCCCCTGGGT	1380
Db	1321	CAGGATGGACCCAGCCCCAAGTCCAGCTCTAATGGCACCTGCTCAGCCCACTGGGG	1380
Qy	1381	GGCGGCCGCCACACACTGCACCAAGCTCTCCCACCTCTGAGGCCAGGAGTCGTCTCC	1440
Db	1381	AGTGGCCGCCATACGTTGCACCAAGCTCACCCACCTCTGAGGCTGAGGACTTCGTCTCC	1440
Qy	1441	CGCCTCTCACCACAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGAACATGACCTAT	1500
Db	1441	CGCCTCTCACCCAAAACTACTTCGTTCCCTGCCCGGGCACAGAACATGGCCTAC	1500
Qy	1501	GGGACCTTCAACTTCTCGGGGCCGGCTGATGATCCCTAACAGGTATCAGCCTCC	1560
Db	1501	GGGACCTTCAACTTCTCGGGGCCGGCTGATGATCCCTAACAGGGATCAGCCTCC	1560
Qy	1561	ATCCCCCAGATGCCATACCCGAGGAAAGATCTATGAGATCTACCTCACGCTGCACAAG	1620
Db	1561	ATACCCCCGGATGCCATCCCCGAGGAAAGATCTACGAGATCTACCTCACACTGCACAAG	1620
Qy	1621	CCGGAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCCCTCGTTAGC	1680
Db	1621	CCAGAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCAGTCGTTAGC	1680
Qy	1681	TGTGGACCCCTGGCTCTGCTCACCGGCCAGTCATCTGGCTATGGACCACTGTGGG	1740
Db	1681	TGTGGGCCCTCAGGAGTCCTGCTCACCGGCCAGTCATCTTGCATGGACCACTGTGG	1740
Qy	1741	GAGCCCAGCCCTGACAGCTGGAGCCTGCCCTCAAAAGCAGTCGTGCGAGGGCAGCTGG	1800
Db	1741	GAGCCCAGCCCTGACAGCTGGAGTCCTGCCCTCAAAAGCAGTCCTGCGAGGGCAGTTGG	1800
Qy	1801	GAGGATGTGCTGCACCTGGCGAGGAGGCGCCCTCCACCTCTACTACTGCCAGCTGGAG	1860
Db	1801	GAGGATGTGCTGCACCTTGGTGAGGAGTCACCTCCCACCTCTACTACTGCCAGCTGGAG	1860
Qy	1861	GCCAGTGCCTGCTACGTCTCACCGAGCAGCTGGCCGTTGCCCTGGTGGAGAGGCC	1920

Db	1861	GCCGGGGCCTGCTATGTCTTACGGAGCAGCTGGGCCCTTGCCCTGGTAGGAGAGGCC	1920
Qy	1921	CTCAGCGTGGCTGCCGCAAGGCCTCAAGCTGCTTCTGTTGCGCCGGTGGCCTGCACC	1980
Db	1921	CTCAGCGTGGCTGCCACCAAGGCCTCAGGCTCCTCTGTTGCTCCCGTGGCCTGTACG	1980
Qy	1981	TCCCTCGAGTACAACATCCGGGTCTACTGCCTGCATGACACCCACGATGCACTCAAGGAG	2040
Db	1981	TCCCTTGAGTACAACATCCGAGTGTACTGCCTACACGACACCCACGACGCTCTCAAGGAG	2040
Qy	2041	GTGGTGCAGCTGGAGAAGCAGCTGGGGGACAGCTGATCCAGGAGCACGGTCCTGCAC	2100
Db	2041	GTGGTGCAGCTGGAGAAGCAGCTAGGTGGACAGCTGATCCAGGAGCCTCGCGTCCTGCAC	2100
Qy	2101	TTCAAGGACAGTTACCACAACCTGCGCCTATCCATCCACGATGTGCCAGCTCCGTG	2160
Db	2101	TTCAAAGACAGTTACCACAACCTACGTCTCCATCCACGACGTGCCAGCTCCGTG	2160
Qy	2161	AAGAGTAAGCTCCTGTCAGCTACCAGGAGATCCCCTTTACACATCTGAATGGCACG	2220
Db	2161	AAGAGCAAGCTACTTGTCAAGCTACCAGGAGATCCCCTTTACACATCTGAACGGCAC	2220
Qy	2221	CAGCGGTACTTGCACTGCACCTTCACCCGGAGCGTGTAGCCCCAGCACTAGTGACCTG	2280
Db	2221	CAGCAGTATCTGCACTGCACCTTCACCCGGAGCGCATCAACGCCAGCACAGCAGCTG	2280
Qy	2281	GCCTGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGCAGAGCTTCAGCATCAACTTC	2340
Db	2281	GCCTGCAAGGTGTGGGTGTGGCAGGTGGAGGGAGATGGCAGAGCTTCAACATCAACTTC	2340
Qy	2341	AACATCACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAGCGGGGTC	2400
Db	2341	AACATCACTAAGGACACAAGGTTGCTGAATTGTTGGCTCTGGAGAGTGAAGGGGGGTC	2400
Qy	2401	CCAGCCCTGGTGGGCCCAAGTCCTCAAGATCCCCCTCATTGGCAGAAAGATAATT	2460
Db	2401	CCAGCCCTGGTGGGCCCAAGTCCTCAAGATCCCCCTCATTGGCAGAAAGATCATC	2460
Qy	2461	TCCAGCCTGGACCCACCCGTAGGCGGGGTGCCGACTGGCGACTCTGGCCAGAAACTC	2520
Db	2461	GCCAGTCTGGACCCACCCGTAGCCTCAAGATCCCCCTCATTGGCAGAAACTT	2520
Qy	2521	CACCTGGACAGCCATCTCAGCTTGCCTCCAAGCCCAGCCCCACAGCCATGATCCTC	2580
Db	2521	CACCTGGACAGCCATCTAGCTTGCCTCCAAGCCCAGCCCTACAGCCATGATCCTC	2580
Qy	2581	AACCTGTGGAGGCGCGGACTTCCCCAACGGCAACCTCAGCCAGCTGGCTGCAGCAGTG	2640
Db	2581	AACCTATGGGAGGCACGGCACTTCCCCAACGGCAACCTCGGCCAGCTGGCAGCAGCTGTG	2640
Qy	2641	GCTGGACTGGGCCAGCCAGACGCTGGCCTTTCACAGTGTGGAGGCTGAGTGCTGA	2697
Db	2641	GCCGGACTGGGCCAACCAACAGATGCTGGCCTTTCACGGTGTGGAGGCCAGTGTGA	2697

Db	60	ATGTGGGCCTCATGCCGTGGCGTCTGCCTGGCTGCTGCTGCTTCATCCTCG	119
Qy	1145	TTTATTGCCGGAAGAAGGAGGGCTGGACTCAGATGTGGCTGACTCGTCATTCTCACCT	1204
Db	120	TTTATTGCCGGAAGAAGGAGGGCTGGACTCAGATGTGGCTGACTCGTCATTCTCACCT	179
Qy	1205	CAGGCTTCAGCCCGTCAGCATC-AAGCCCAGCAAAGCAGACAACCCCCATCTGCTCACC	1263
Db	180	CAGGCTTCAGCCCGTCAGCATCTAACGCCAGCAAAGCAGACAACCCCCATCTGCTCACC	239
Qy	1264	ATCCAGCCGGACCTCAGCACCAACCACCACTACCAGGGCAGTCTGTCCCCGGCAG	1323
Db	240	ATCCAGCCGGACCTCAGCACCAACCACCACTACCAGGGCAGTCTGTCCCCGGCAG	299
Qy	1324	GATGGGCCAGCCCCAAGTTCCAGCTACCAATGGCACCTGCTCAGCCCCCTGGTGGC	1383
Db	300	GATGGGCCAGCCCCAAGTTCCAGCTACCAATGGCACCTGCTCAGCCCCCTGGTGGC	359
Qy	1384	GGCCGCCACACACTGCACCACAGCTCTCCACCTCTGAGGCCGAGGAGTTCGTCTCCGC	1443
Db	360	GGCCGCCACACACTGCACCACAGCTCTCCACCTCTGAGGCCGAGGAGTTCGTCTCCGC	419
Qy	1444	CTCTCCACCCAGAACTACTTCCGCTCCCTGCCCCGAGGCACCAGAACATGACCTATGGG	1503
Db	420	CTCTCCACCCAGAACTACTTCCGCTCCCTGCCCCGAGGCACCAGAACATGACCTATGGG	479
Qy	1504	ACCTTCAACTTCCTGGGGGCCGGCTGATGATCCCTAACAGGTATCAGCCTCCTCATC	1563
Db	480	ACCTTCAACTTCCTGGGGGCCGGCTGATGATCCCTAACAGGAATCAGCCTCCTCATC	539
Qy	1564	CCCCCAGATGCCATACCCCGAGGAAAGATCTATGAGATCTACCTCACGCTGCACAAGCCG	1623
Db	540	CCCCCAGATGCCATACCCCGAGGAAAGATCTATGAGATCTACCTCACGCTGCACAAGCCG	599
Qy	1624	GAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCTGCTGAGTCCCATCGTAGCTGT	1683
Db	600	GAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCTGCTGAGTCCCATCGTAGCTGT	659
Qy	1684	GGACCCCCCTGGCGTCTGCTCACCCGGCCAGTCATCCTGGCTATGGACCCTGTGGGAG	1743
Db	660	GGACCCCCCTGGCGTCTGCTCACCCGGCCAGTCATCCTGGCTATGGACCCTGTGGGAG	719
Qy	1744	CCCAGCCCTGACAGCTGGAGCCTGCGCTCAAAAGCAGTCGTGCGAGGGCAGCTGGGAG	1803
Db	720	CCCAGCCCTGACAGCTGGAGCCTGGCCCTCAAAAGCAGTCGTGCGAGGG-AGCTGGGAG	778
Qy	1804	GATGTGCTGCACCTGGCGAGGAGGCGCCCTCCACCTCTACTACTGCCAGCTGGAGGCC	1863
Db	779	GATGT-CTGCACCTGGCGAGGAGGCGCCCTCCACCTCTACTACTGCCAGCTGGAGGCC	837
Qy	1864	AGTGCCTGCTACGTCTCACCGAGCAGCTGGCGCTTGCCCTGGTGGAGAGGCCCTC	1923
Db	838	AGTGCCTGCTACGTCTCACCGAGCAGCTGGCGCTTGCCCTGGTGGAGAGGCCCTC	897
Qy	1924	AGCGTGGCTGCCGCCAAGCGCCTCAAGCTGCTTGTGCGCCGGTGGCCTGCACCTCC	1983
Db	898	AGCGTGGCTGCCGCCAAGCGCCTCAAGCTGCTTGTGCGCCGGTGGCCTGCACCTCC	957

Qy	1984	CTCGAGTACAACATCCGGGTCACTGCCTGCATGACACCCACGATGCACTCAAGGAGGTG	2043
Db	958	CTCGAGTACAACATCCGGGTCACTGCCTGCATGACACCCACGATGCACTCAAGGAGGTG	1017
Qy	2044	GTCAGCTGGAGAACAGCTGGGGGACAGCTGATCCAGGAGCCACGGGTCTGCACCTC	2103
Db	1018	GTCAGCTGGAGAACAGCTGGGGGACAGCTGATCCAGGAGCCACGGGTCTGCACCT-	1076
Qy	2104	AAGGACAGTTACCACAACCTGCCCTATCCATCCACGATGTGCCAGCTCCGTGGAAG	2163
Db	1077	AAGGACAGTTACCACAACCT--GCCCTATCATCCACGATGTGCCAGCTCCGTGGAAG	1134
Qy	2164	AGTAAGCTCCTTGTCACTACCAGGAGATCCCCTTTATCACATCTGGAATGGCACGCAG	2223
Db	1135	AGTAAGCTCCTTGTCACTACCAGGAGATCCCCTTTATCACATCTGGAATGGCACGCAG	1194
Qy	2224	CGGTACTTGCACCTCACCCCTGGAGCGTGTCAAGCCCCAGCACTAGTGACCTGGCC	2283
Db	1195	CGGTACTTGCACCTCACCCCTGGAGCGTGTCAAGCCCCAGCACTAGTGACCTGGCC	1254
Qy	2284	TGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGAGCTTCAGCATCAACTAAC	2343
Db	1255	TGCAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGAGCTTCAGCATCAACTAAC	1314
Qy	2344	ATCACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAAGCGGGGTCCA	2403
Db	1315	ATCACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAAGCGGGGTCCA	1374
Qy	2404	GCCCTGGTGGGCCCACTGCCTCAAGATCCCCTCCTCATTGGCAGAAGATAATTCC	2463
Db	1375	GCCCTGGTGGGCCCACTGCCTCAAGATCCCCTCCTCATTGGCAGAAGATAATTCC	1434
Qy	2464	AGCCTGGACCCACCCCTGTAGGCGGGGTGCCACTGGCGACTCTGGCCAGAAACTCCAC	2523
Db	1435	AGCCTGGACCCACCCCTGTAGGCGGGGTGCCACTGGCGACTCTGGCCAGAAACTCCAC	1494
Qy	2524	CTGGACAGCCATCTCAGCTTGCCTCCAAGGCCAGCCCCACAGCCATGATCCTAAC	2583
Db	1495	CTGGACAGCCATCTCAGCTTGCCTCCAAGGCCAGCCCCACAGCCATGATCCTAAC	1554
Qy	2584	CTGTGGAGGCAGCGGGACTTCCCCAACGGAACCTCAGCCAGCTGGCTGCAGCAGTGGCT	2643
Db	1555	CTGTGGAGGCAGCGGGACTTCCCCAACGGAACCTCAGCCAGCTGGCTGCAGCAGTGGCT	1614
Qy	2644	GGACTGGGCCAGCCAGCGCTGGCTC-TTCACAGTG-TCGGAGGCTGAGTGCTGA	2697
Db	1615	GGGACTGGCCAGCAGGACGGTGGCTCTTCACAGTGTTCGGAGGCTGAGTGCTGA	1670

RESULT 10

US-10-256-702-2

; Sequence 2, Application US/10256702

; Publication No. US20030059859A1

; GENERAL INFORMATION:

; APPLICANT: Tessier-Lavigne, Marc
Leonardo, E. David

; Hink, Lindsay
; Masu, Masayuki
; Kazuko, Keino-Masu
; TITLE OF INVENTION: Netrin Receptors
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/256,702
; FILING DATE: 27-Sep-2002,
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/933,261
; FILING DATE: 20-Aug-2001
; APPLICATION NUMBER: 08/808,982
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: UC96-217
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1787 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-256-702-2

Query Match 57.6%; Score 1552.4; DB 14; Length 1787;
Best Local Similarity 98.58%; Pred. No. 0;
Matches 1651; Conservative 0; Mismatches 16; Indels 9; Gaps 8;

Qy 1025 GCAACTGTACCAAGTGACCTCTGTGTACACAGTGCTTCTGGCCCTGAGGACGTGGCCCTCT 1084
Db 1 GCAACTGTACCAAGTGACCTCTG-GTACACACTGCTTCTGGCCCTGAGGACGTGGCCCTCT 59

Qy 1085 ATGTGGGCCTCATGCCGTGGCGTCTGCCTGGTCCTGCTGCTGCTTGTCCCTCATCCTCG 1144
Db 60 ATGTGGGCCTCATGCCGTGGCGTCTGCCTGGTCCTGCTGCTGCTTGTCCCTCATCCTCG 119

Qy 1145 TTTATTGCCCGAAGAAGGAGGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTCACCT 1204
Db 61 TTTATTGCCCGAAGAAGGAGGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTCACCT 1204

Db	120	TTTATTGCCGGAAGAAGGAGGGCTGGACTCAGATGTGGCTGACTCGTCCATTCTCACCT	179
Qy	1205	CAGGCTTCAGCCCCGTCAAGCATC-AAGCCCAGCAAAGCAGACAACCCCCATCTGCTCACC	1263
Db	180	CAGGCTTCAGCCCCGTCAAGCATCTAACGCCAGCAAAGCAGACAACCCCCATCTGCTCACC	239
Qy	1264	ATCCAGCCGGACCTCAGCACCAACCACCACTACCAGGGCAGTCTCTGTCCCCGGCAG	1323
Db	240	ATCCAGCCGGACCTCAGCACCAACCACCACTACCAGGGCAGTCTCTGTCCCCGGCAG	299
Qy	1324	GATGGGCCAGCCCCAAGTTCCAGCTCACCAATGGCACCTGCTCAGCCCCCTGGTGGC	1383
Db	300	GATGGGCCAGCCCCAAGTTCCAGCTCACCAATGGCACCTGCTCAGCCCCCTGGTGGC	359
Qy	1384	GGCCGCCACACACTGCACCACAGCTCTCCACCTCTGAGGCCGAGGAGTTCGTCTCCGC	1443
Db	360	GGCCGCCACACACTGCACCACAGCTCTCCACCTCTGAGGCCGAGGAGTTCGTCTCCGC	419
Qy	1444	CTCTCCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGCAACATGACCTATGGG	1503
Db	420	CTCTCCACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGCAACATGACCTATGGG	479
Qy	1504	ACCTTCAACTCCTGGGGGCCGGCTGATGATCCCTAACAGGTATCAGCCTCCTCATC	1563
Db	480	ACCTTCAACTCCTGGGGGCCGGCTGATGATCCCTAACAGGAATCAGCCTCCTCATC	539
Qy	1564	CCCCCAGATGCCATAACCCCGAGGAAAGATCTATGAGATCTACCTCACGCTGCACAAGCCG	1623
Db	540	CCCCCAGATGCCATAACCCCGAGGAAAGATCTATGAGATCTACCTCACGCTGCACAAGCCG	599
Qy	1624	GAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCCATCGTAGCTGT	1683
Db	600	GAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCCATCGTAGCTGT	659
Qy	1684	GGACCCCTGGCGTCTGCTCACCCGGCCAGTCATCTGGCTATGGACCCTGTGGGAG	1743
Db	660	GGACCCCTGGCGTCTGCTCACCCGGCCAGTCATCTGGCTATGGACCCTGTGGGAG	719
Qy	1744	CCCAGCCCTGACAGCTGGAGCCTGCGCCTCAAAAGCAGTCGTGCGAGGGCAGCTGGGAG	1803
Db	720	CCCAGCCCTGACAGCTGGAGCCTGGCCCTCAAAAGCAGTCGTGCGAGGG-AGCTGGGAG	778
Qy	1804	GATGTGCTGCACCTGGCGAGGAGGCGCCCTCCACCTCTACTACTGCCAGCTGGAGGCC	1863
Db	779	GATGT-CTGCACCTGGCGAGGAGGCGCCCTCCACCTCTACTACTGCCAGCTGGAGGCC	837
Qy	1864	AGTGCCTGCTACGTCTCACCGAGCAGCTGGCGCTTGCCCTGGTGGAGAGGCCCTC	1923
Db	838	AGTGCCTGCTACGTCTCACCGAGCAGCTGGCGCTTGCCCTGGTGGAGAGGCCCTC	897
Qy	1924	AGCGTGGCTGCCGCCAAGCGCCTCAAGCTGCTTGTGCGCCGGTGGCCTGCACCTCC	1983
Db	898	AGCGTGGCTGCCGCCAAGCGCCTCAAGCTGCTTGTGCGCCGGTGGCCTGCACCTCC	957
Qy	1984	CTCGAGTACAACATCCGGGTCTACTGCCTGCATGACACCCACGATGCACTCAAGGAGGTG	2043
Db	958	CTCGAGTACAACATCCGGGTCTACTGCCTGCATGACACCCACGATGCACTCAAGGAGGTG	1017

RESULT 11

US-10-296-115-365

; Sequence 365, Application US/10296115

; Publication No. US20

; GENERAL INFORMATION:

; APPLICANT: Hyseq Inc

: TITLE OF INVENTION: No. US20040053248A1 e Nucleic Acids and Polypeptides

; FILE REFERENCE: 784PCT

CURRENT APPLICATION NUMBER: US/10/296,115

CURRENT FILING DATE: 2002-11-18

PRIOR APPLICATION NUMBER: US09/4

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; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: US09/552,317
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 1478
; SEQ ID NO 365
; LENGTH: 1321
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-296-115-365

Query Match 44.5%; Score 1200.6; DB 17; Length 1321;
Best Local Similarity 98.0%; Pred. No. 8.1e-301;
Matches 1289; Conservative 0; Mismatches 19; Indels 7; Gaps 7;

Qy 1390 CACACACTGCACCACAGCTCTCCCACCTCTGAGGCCGAGGAGTCGTCTCCCGCCTCTCC 1449
Db 1 CACACACTGCACCACAGCTCTCCCACCTCTGAGGCCGAGGAGTCGTCTCCCGCCTCTCC 60

Qy 1450 ACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGAACATGACCTATGGGACCTTC 1509
Db 61 ACCCAGAACTACTTCCGCTCCCTGCCCGAGGCACCAGAACATGACCTATGGGACCTTC 120

Qy 1510 AACTCCTCGGGGGCCGGCTGATGATCCCTAATACAGGTATCAGCCTCCTCATCCCCCA 1569
Db 121 AACTCCTCGGGGGCCGGCTGATGATCCCTAATACAGGAATCAGCCTCCTCATCCCCCA 180

Qy 1570 GATGCCATAACCCGAGGGAAGATCTATGAGATCTACCTCACGCTGCACAAGCCGGAAAGAC 1629
Db 181 GATGCCATAACCCGAGGGAAGATCTATGAGATCTACCTCACGCTGCACAAGCCGGAAAGAC 240

Qy 1630 GTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCCATCGTTAGCTGTGGACCC 1689
Db 241 GTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCCATCGTTAGCTGTGGACCC 300

Qy 1690 CCT-GGCGTCCTGCTCACCGGCCAGTCATCCT-GGCTATGGACCACTGT-GGGAGCCC 1746
Db 301 CCTGGCGTCCTGCTTACCCGCCAGTCATCCTGGGTATGGACCACTGTGGGGAGCCC 360

Qy 1747 AGCCCTGACAGCT-GGAGCCTGCGCCTCAAAAGCAGTCGTGCGAGGGCAGCTGGAGGA 1805
Db 361 AGCCCTGACAGCTGGGAGCCTGCGCCTCAAAAGCAGTCGTGCGAGGGCAGCTGGAGGA 420

Qy 1806 TGTGCTGCACCTGGCGAGGAGGCGCCCTCCACCTCTACTACTGCCAGCTGGAGGCCAG 1865
Db 421 TGTGCTGCACCTGGCGAGGAGGCGCCCTCCACCTCTACTACTGCCAGCTGGAGGCCAG 480

Qy 1866 TGCCTGCTACGTCTCACCGAGCAGCTGGCGCTTGCCTGGTGGAGAGGCCCTCAG 1925
Db 481 TGCCTGCTACGTCTCACCGAGCAGCTGAGCCGCTATGCCCTGGTGGAGAGGCCCTCAG 540

Qy 1926 CGTGGCTGCCGCCAAGCGCCTCAAGCTGCTTGTGCGCCGGTGGCCTGCACCTCCCT 1985
Db 541 CGTGGCTGCCGCCAAGCGCCTCAAGCTGCTTGTGCGCCGGTGGCCTGCACCTCCCT 600

Qy 1986 CGAGTACAACATCCGGGTCTACTGCCTGCATGACACCCACGATGCACTCAAGGAGGTGGT 2045
Db 601 CGAGTACAACATACTGGTCTACTGCCTGCATGACACTCACGATGCACTCAACGTAGTGGT 660

QY	2046	GCAGCTGGAGAAGCAGCTGGGGGACAGCTGATCCAGGAGCCACGGTCTGCACTTCAA	2105
Db	661	GCAGCTGGAGAAGCAGCTGCAGGGACAGCTGATCCAGGAGCCACTGGTACTGCACTTCAA	720
QY	2106	GGACAGTTACCACAACCTGCGCTATCCATCCACGATGTGCCAGCTCCGTGGAAGAG	2165
Db	721	GGACAGTTACCACAACCTGCGCTATCCATCCACGATGTGCCAGCTCCGTGGAAGAG	780
QY	2166	TAAGCTCCTTGTCAAGTACCAAGGAGATCCCTTTATCACATCTGAATGGCACGCAGCG	2225
Db	781	TAAGCTCCTTGTCAAGTACCAAGGAGATCCCTTTATCACATCTGAATGGCACGCAGCG	840
QY	2226	GTACTTGCACTGCACCTTCACCCCTGGAGCGTGTCAAGCCCCAGCACTAGTGACCTGGCCTG	2285
Db	841	GTACTTGCACTGCACCTTCACCCCTGGAGCGTGTCAAGCCCCAGCACTAGTGACCTGGCCTG	900
QY	2286	CAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGAGCTTCAGCATCAACTAACAT	2345
Db	901	CAAGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGAGCTTCAGCATCAACTAACAT	960
QY	2346	CACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAAGCGGGGTCCCAGC	2405
Db	961	CACCAAGGACACAAGGTTGCTGAGCTGCTGGCTCTGGAGAGTGAAAGCGGGGTCCCAGC	1020
QY	2406	CCTGGTGGCCCCAGTGCCTTCAAGATCCCTCCTCATTGGCAGAAGATAATTCCAG	2465
Db	1021	CCTGGTGGCCCCAGTGCCTTCAAGATCCCTCCTCATTGGCAGAAGATAATTCCAG	1080
QY	2466	CCTGGACCCACCCGTAGGCGGGGTGCCGACTGGCGACTCTGGCCAGAAACTCCACCT	2525
Db	1081	CCTGGACCCACCCGTAGGCGGGGTGCCGACTGGCGACTCTGGCCAGAAACTCCACCT	1140
QY	2526	GGACAGCCATCTCAGCTTCTTGCCCTCAAGCCCAGCCCCACAGCCATGATCCTCAACCT	2585
Db	1141	GGACAGCCATCTCAGCTTCTTGCCCTCAAGCCCAGCCCCACAGCCATGATCCTCAACCT	1200
QY	2586	GTGGGAGGCGCGGACTTCCCCAACGGCAACCTCAGCCAGCTGGCTGCAGCAGTGGCT-G	2644
Db	1201	GTGGGAGGCGCGGACTTCCCCAACGGCAACCTCAGCCAGCTGGCTGCAGCAGTGGCTGG	1260
QY	2645	GACTGGGCCAGCCAGACGCTGGCTC-TTCACAGTG-TCGGAGGCTGAGTGCTGA	2697
Db	1261	GACTGGGCCAGCAGGACGGTGGCTTCTTCACAGTGTCGGAGGCTGAGTGCTGA	1315

RESULT 12

US-10-087-684-1

; Sequence 1, Application US/10087684

; Publication No. US20040029116A1

GENERAL INFORMATION:

- ; APPLICANT: Edinger, Shlomit R.
- ; APPLICANT: MacDougall, John R.
- ; APPLICANT: Millet, Isabelle
- ; APPLICANT: Ellerman, Karen
- ; APPLICANT: Stone, David J.
- ; APPLICANT: Grosse, William M.

; APPLICANT: Lepley, Denise M.
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Burgess, Cathereine E.
; APPLICANT: Casman, Stacie, J.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Mishra, Vishnu
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Rastelli, Luca
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Guo, Xiaoqia
; APPLICANT: Miller, Charles E.
; APPLICANT: Gangolli, Esha A.
; TITLE OF INVENTION: PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-214 CIP
; CURRENT APPLICATION NUMBER: US/10/087,684
; CURRENT FILING DATE: 2003-03-10
; PRIOR APPLICATION NUMBER: 60/253,834
; PRIOR FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: 60/250,926
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: 60/264,180
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/274,194
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 60/313,656
; PRIOR FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: 60/327,456
; PRIOR FILING DATE: 2001-10-05
; NUMBER OF SEQ ID NOS: 220
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 1
; LENGTH: 2860
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (59)..(2857)
US-10-087-684-1

05 10 007 004 1

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Query Match           34.7%; Score 936.2; DB 17; Length 2860;
Best Local Similarity 61.7%; Pred. No. 2.8e-232;
Matches 1662; Conservative 0; Mismatches 938; Indels 93; Gaps 7;
Y          98 ACCCAGTGCCTGGTGCCAACCCGGACCTGCTTCCCCACTTCCTGGTGGAGCCCGAGGATG 157
Y          || | | | || | | | | | | | | | | | | | | | | | | | | | | | | | | |
D         168 ACTCCTTCCCGTCAGCGCCAGCAGAGCCGCTGCCCTACTTCCTGCAGGAGGCCACAGGACG 227
Y          | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
D         158 TGTACATCGTCAAGAACAAAGCCAGTGCTGCTTGTGCAAGGCCGTGCCGCCACGCAGA 217
D          | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
D         228 CCTACATTGTGAAGAACAAAGCCTGTGGAGCTCGCTGCCGCCCTCCCCGCCACACAGA 287

```

Qy	218	TCTTCTTCAAGTGCAACGGGGAGTGGGTGCGCCAGGTGGACCACGTGATCGAGCGCAGCA	277
Db	288	TCTACTTCAAGTGCAACGGCGAGTGGTCAGCCAGAACGACCACGTACACAGGAAGGCC	347
Qy	278	CAGACGGGAGCAGTGGCTGCCACCATGGAGGTCCGCATTAATGTCTCAAGGCAGCAGG	337
Db	348	TGGATGAGGCCACCGGTCTCGGGTGCAGGTCAGATCGAGGTGTCGCGGCAGCAGG	407
Qy	338	TCGAGAAGGTGTTCGGGCTGGAGGAATACTGGTGCAGTGCCTGGCATGGAGCTCCTCGG	397.
Db	408	TGGAGGAGCTCTTGGCTGGAGGATTACTGGTGCAGTGCCTGGCATGGAGCTCCGCGG	467
Qy	398	GCACCACCAAGAGTCAGAAGGCCATACATCCGCATAGCCAGATTGCGCAAGAACTTCGAGC	457
Db	468	GCACCACCAAGAGTCGCCGAGCCTACGTCCGCATCGCCTACCTGCGCAAGAACTTCGATC	527
Qy	458	AGGAGCCGCTGGCCAAGGAGGTGTCCTGGAGCAGGGCATCGTGCCTGCCCTGCCGTCCAC	517
Db	528	AGGAGCCTCTGGCAAGGAGGTGCCCTGGACCATGAGGTTCTCCTGCAGTGCAGGCCGCCG	587
Qy	518	CGGAGGGCATCCCTCCAGCCGAGGTGGAGTGGCTCCGGAACGAGGACCTGGTGGACCGT	577
Db	588	CGGAGGGGGTGCCTGTGGCGAGGTGGAATGGCTAAGAATGAGGATGTATCGACCCCCA	647
Qy	578	CCCTGGACCCCAATGTATACATCACGCCGGAGCACAGCCTGGTGGTGCACAGGCCGCC	637
Db	648	CCCAGGACACCAACTCCCTGCTCACCATCGACCACACCTCATCATCGCCAGGCCGCC	707
Qy	638	TTGCTGACACGCCAACTACACCTGCGTGGCAAGAACATCGTGGCACGTGCCGCAGCG	697
Db	708	TGTCGGACACTGCCAACTATACCTGCGTGGCAAGAACATCGTGGCAAACGCCGGAGCA	767
Qy	698	CCTCCGCTGCTGTATCGTCTACGTGAACGGTGGTGGTCACGTGGACCGAGTGGTCG	757
Db	768	CCACTGCCACCGTCATCGTCTACGTGAATGGCGCTGGTCCAGCTGGCAGAGTGGTCAC	827
Qy	758	TCTGCAGGCCAGCTGTGGCGCGCTGGCAGAAACGGAGCCGGAGCTGCACCAACCCGG	817
Db	828	CCTGCTCCAACCGCTGTGGCGAGGCTGGCAGAACGCCACCCGGACCTGCACCAACCCGG	887
Qy	818	CGCCTCTCAACGGGGCGCTTCTGTGAGGGCAGAAATGTCCAGAAAACAGCCTGCCA	877
Db	888	CTCCACTCAACGGAGGGCCTCTGCGAGGGCAGGCATTCCAGAACAGCCCTGCACCA	947
Qy	878	CCCTGTGCCCACTAGACGGCAGCTGGAGCCGTGGAGCAAGTGGTGGCCTGTGGCTGG	937
Db	948	CCATCTGCCAGTCGATGGGCGTGGACGGAGTGGAGCAAGTGGTCAGCCTGCAGCACTG	1007
Qy	938	ACTGCACCCACTGGGGAGCCGTGAGTGCTCTGACCCAGCACCCCGCAACGGAGGGAGG	997
Db	1008	AGTGTGCCACTGGCGTAGCCCGAGTGCATGGCGCCCCCACCCAGAACGGAGGCCGTG	1067
Qy	998	AGTGCCAGGGCACTGACCTGGACACCGCAACTGTACCGAGTGCACCTCTGTGTACACAGTG	1057
Db	1068	ACTGCAGCGGGACGCTGCTGACTCTAAGAACTGCACAGATGGGCTGTGCATGCACTGG	1127
Qy	1058	CTTCTGGCCCTGAGGACGTGGCCCTATGTGGCCTCATGCCGTGGCGTCTGCCTGG	1117

Db	1128 AGGCCTCAGGGGATGCGCGCTGTATGCGGGCTCGTGGTGGCATCTCGTGGTCGTGG 1187
Qy	1118 TCCTGCTGCTGCTTGTCTCATCCTCGTTATTGCCGAAGAAGGAGGGCTGGACTCAG 1177
Db	1188 CAATCCTCATGGCGGTGGGGTGGTGGTACCGCCCACTGCCGTGACTTCGACACAG 1247
Qy	1178 ATGTGGCTGACTCGTCCATT---CTCACCTCAGGCTTCAGCCCCTCAGCATCAAGCCA 1234
Db	1248 ACATCACTGACTCATCTGCTGCCCTGACTGGTGGTTCCACCCCGTCAACTTAAGACGG 1307
Qy	1235 GCAAAGCAGACAACCCCCATCTGCT-----CACCATCCAGCCGGACCTCAGCACCACCA 1288
Db	1308 CAAGGCCAGTAACCCGCAGCTCCTACACCCCTCTGTGCCTCCTGACCTGACAGCCAGCG 1367
Qy	1289 CCACCACCTACCAGGGCAGTCTCTGTCCCCGGCAGGA----- 1325
Db	1368 CCGGCATCTACCGCGGACCCGTGTATGCCCTGCAGGACTCCACCGACAAATCCCCATGA 1427
Qy	1326 -----TGGGCCAGCCCAAGTTCCAGCTCACCA----- 1354
Db	1428 CCAACTCTCCTCTGCTGGACCCCTAACCCAGCCTTAAGGTCAAGGTCTACAGCTCCAGCA 1487
Qy	1355 --ATGGGCACCTGCTCAGCCCCCTGGTGGCGGCCACAC-----ACTGCACC 1402
Db	1488 CCACGGGCTCTGGGCAGGCCCTGGCAGATGGGCTGACCTGCTGGGGTCTTGCCGCTG 1547
Qy	1403 ACAGCTCTCCCACCTCTGAGGCCGAGGAGTCGTCTCCGCCTCTCCACCCAGAACTACT 1462
Db	1548 GCACATAACCTAGCGATTTCGCCCGGGACACCCACTTCCTGCACCTGCGCAGGCCAGCC 1607
Qy	1463 TCCGCTC-----CCTGCCCGAGGCACCAGAACATGACCTATGGACCT 1507
Db	1608 TCGGTTCCCAGCAGCTCTTGGGCTGCCCGAGACCCAGGGAGCAGCGTCAGCGGCACCT 1667
Qy	1508 TCAACTTCTCGGGGCCGGCTGATGATCCCTAACAGGTATCAGCCTCCTCATCCCCC 1567
Db	1668 TTGGCTGCCTGGTGGGAGGCTAGCATCCCCGGCACAGGGTCAGCTTGCTGGTGCCCA 1727
Qy	1568 CAGATGCCATACCCCGAGGGAAGATCTATGAGATCTACCTCACGCTGCACAAGCCGGAAG 1627
Db	1728 ATGGAGCCATTCCCCAGGGCAAGTTCTACGAGATGTATCTACTCATACAAGGCAGAAA 1787
Qy	1628 ACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCCATCGTTAGCTGTGGAC 1687
Db	1788 GTACCCCTGCCGCTTTCAGAAGGGACCCAGACAGTATTGAGCCCTCGGTGACCTGTGGAC 1847
Qy	1688 CCCCTGGCGCTCTGCTCACCGGCCAGTCATCCTGGTATGGACCACTGTGGGAGCCCA 1747
Db	1848 CCACAGGCCTCTGCTGTGCCGCCCGTCATCCTCACCATGCCCACTGTGCCGAAGTCA 1907
Qy	1748 GCCCTGACAGCTGGAGCCTGCCCTCAAAAGCAGTCGTGCGAGGGCAGCTGGAGGATG 1807
Db	1908 GTGCCCGTGAUTGGATCTTCAGCTCAAGACCCAGGCCACCAGGGCACTGGGAGGAGG 1967
Qy	1808 TGCTGCACCTGGCGAGGAGGCGCCCTCCACCTCTACTACTGCCAGCTGGAGGCCAGTG 1867

RESULT 13
US-10-087-684-3
; Sequence 3, Application US/10087684
; Publication No. US20040029116A1
; GENERAL INFORMATION:
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: MacDougall, John R.
; APPLICANT: Millet, Isabelle
; APPLICANT: Ellerman, Karen
; APPLICANT: Stone, David J.
; APPLICANT: Grosse, William M.
; APPLICANT: Lepley, Denise M.
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Burgess, Cathereine E.
; APPLICANT: Casman, Stacie, J.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Mishra, Vishnu
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Rastelli, Luca
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Guo, Xiaoqia
; APPLICANT: Miller, Charles E.
; APPLICANT: Gangolli, Esha A.
; TITLE OF INVENTION: PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-214 CIP
; CURRENT APPLICATION NUMBER: US/10/087,684
; CURRENT FILING DATE: 2003-03-10
; PRIOR APPLICATION NUMBER: 60/253,834
; PRIOR FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: 60/250,926
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: 60/264,180
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/274,194
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 60/313,656
; PRIOR FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: 60/327,456
; PRIOR FILING DATE: 2001-10-05
; NUMBER OF SEQ ID NOS: 220
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 3
; LENGTH: 2860
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (59)..(2857)
US-10-087-684-3

Qy	878	CCCTGTGCCAGTAGACGGCAGCTGGAGCCCCTGGAGCAAGTGGTCGGCCTGTTGGCTGG 937
Db	948	CCATCTGCCAGTCGATGGGCCTGGACGGAGTGGAGCAAGTGGTCAGCCTGCAGCACTG 1007
Qy	938	ACTGCACCCACTGGCGGAGCCGTGAGTGCTCTGACCCAGCACCCCGAACGGAGGGAGG 997
Db	1008	AGTGTGCCACTGGCGTAGCCCGAGTGCATGGCCCCCAGAACGGAGGCCGTG 1067
Qy	998	AGTGCCAGGGCACTGACCTGGACACCCGAACGTACAGTGACCTCTGTGTACACAGTG 1057
Db	1068	ACTGCAGCGGGACGCTGCTGACTCTAAGAACTGCACAGATGGGCTGTGCATGCACTGG 1127
Qy	1058	CTTCTGCCCTGAGGACGTGGCCCTCATGTGGGCCTCATGCCGTGGCGTCTGCCCTGG 1117
Db	1128	AGGCCTCAGGGGATGCGGCCTGTATGCCGGCTCGTGGTGGCCATCTCGTGGTGTGG 1187
Qy	1118	TCCTGCTGCTGCTTGTCCCTCATCCTCGTTATTGCCGGAAGAAGGAGGGCTGGACTCAG 1177
Db	1188	CAATCCTCATGGCGGTGGGGTGGTGGTACCGCCGCACTGCCGTGACTTCGACACAG 1247
Qy	1178	ATGTGGCTGACTCGTCCATT---CTCACCTCAGGCTTCCAGCCCCGTACGCATCAAGCCCA 1234
Db	1248	ACATCACTGACTCATCTGCTGCCCTGACTGGTGGTTCCACCCCGTCACTTTAACGACGG 1307
Qy	1235	GCAAAGCAGACAACCCCCATCTGCT-----CACCATCCAGCCGGACCTCAGCACACCA 1288
Db	1308	CAAGGCCAGTAACCCCGCAGCTCTACACCCCTCTGTGCCCTCTGACCTGACAGCCAGCG 1367
Qy	1289	CCACCACCTACCAGGGCAGTCTCTGTCCCCGGCAGGA----- 1325
Db	1368	CCGGCATCTACCGCGGACCCGTATGCCCTGCAGGACTCCACCGACAAAATCCCCATGA 1427
Qy	1326	-----TGGGCCAGCCCCAAGTTCCAGCTCACCA----- 1354
Db	1428	CCAACTCTCTGCTGGACCCCTTACCCAGCCTTAAGGTCAAGGTCTACAGCTCCAGCA 1487
Qy	1355	--ATGGGCACCTGCTCAGCCCCCTGGGTGGCGGCCACAC-----ACTGCACC 1402
Db	1488	CCACGGCTCTGGGCCAGGCCTGGCAGATGGGCTGACCTGCTGGGGCTTGTGCCCTG 1547
Qy	1403	ACAGCTCTCCACCTCTGAGGCCGAGGAGTTCGTCTCCGCCTCTCCACCCAGAACTACT 1462
Db	1548	GCACATACCCCTAGCGATTGCCCGGGACACCCACTCCTGCACCTGCGCAGGCCAGCC 1607
Qy	1463	TCCGCTC-----CCTGCCCGAGGCACCAAGAACATGACCTATGGGACCT 1507
Db	1608	TCGGTTCCCAAGCAGCTCTGGGCCTGCCCGAGACCCAGGGAGCAGCGTCAGCGCACCT 1667
Qy	1508	TCAACTCCTCGGGGGCCGCTGATGATCCCTAATACAGGTATCAGCCTCCTCATCCCCC 1567
Db	1668	TTGGCTGCCTGGTGGGAGGCTCAGCATCCCCGGCACAGGGGTCAGCTTGCTGGTGCCCA 1727
Qy	1568	CAGATGCCATACCCCGAGGGAAGATCTATGAGATCTACCTCACGCTGACAAGCCGGAAG 1627
Db	1728	ATGGAGCCATTCCCCAGGGCAAGTTCTACGAGATGTATCTACTCATCAACAAGGCAGAAA 1787
Qy	1628	ACGTGAGGTTGCCCTAGCTGGCTGTCAGACCTGCTGAGTCCCCTGTTAGCTGTGGAC 1687

Db	1788	GTACCCCTGCCGCTTCAGAAGGGACCCAGACAGTATTGAGCCCTCGGTGACCTGTGGAC	1847																
Qy	1688	CCCCTGGCGTCTGCTCACCCGCCAGTCATCCTGGCTATGGACCCTGTGGGAGGCCA	1747																
Db	1848	CCACAGGCCCTCCTGCTGTGCCGCCGTACATCCTCACCATGCCCACTGTGCCGAAGTCA	1907																
Qy	1748	GCCCTGACAGCTGGAGCCTGCCTCAAAAAGCAGTCGTGCGAGGGCAGCTGGAGGATG	1807																
Db	1908	GTGCCCGTACTGGATCTTCAGCTCAAGACCCAGGCCACCAGGGCCACTGGGAGGAGG	1967																
Qy	1808	TGCTGCACCTGGCGAGGAGGCCCTCCACCTCTACTACTGCCAGCTGGAGGCCAGTG	1867																
Db	1968	TGGTGACCTGGATGAGGAGACCCCTGAACACACCCCTGCTACTGCCAGCTGGAGGCCAGGG	2027																
Qy	1868	CCTGCTACGTCTTCACCGAGCAGCTGGCGCTTGGCCCTGGTGGAGAGGCCCTCAGCG	1927																
Db	2028	CCTGTCACATCCTGCTGGACCAGCTGGCACCTACGTGTTACGGCGAGTCCTATTCCC	2087																
Qy	1928	TGGCTGCCGCCAACGCCCTCAAGCTGCTCTGTTGCGCCGGTGGCCTGCACCTCCCTCG	1987																
Db	2088	GCTCAGCAGTCAGCGGCTCAGCTGGCGTCTCGCCCCCGCCCTCTGCACCTCCCTGG	2147																
Qy	1988	AGTACAACATCCGGGTCTACTGCCCTGCATGACACCCACGATGCACTCAAGGAGGTGGTGC	2047																
Db	2148	AGTACAGCCTCCGGGTCTACTGCCCTGGAGGACACGCCCTGAGCACTGAAGGAGGTGCTGG	2207																
Qy	2048	AGCTGGAGAACGAGCTGGGGGACAGCTGATCCAGGAGCCACGGGTCCCTGCACCTCAAGG	2107																
Db	2208	AGCTGGAGCGGACTCTGGCGGATACTTGGTGGAGGAGCCAAACCGCTAATGTTCAAGG	2267																
Qy	2108	ACAGTTACCAACCTGCGCCTATCCATCCACGATGTGCCAGCTCCCTGTGGAAGAGTA	2167																
Db	2268	ACAGTTACCAACCTGCGCCTCTCCCTCCATGACCTCCCCATGCCATTGGAGGAGCA	2327																
Qy	2168	AGCTCCTTGTCACTACCAGGAGATCCCCTTTATCACATCTGGAATGGCACGCAGCGGT	2227																
Db	2328	AGCTGCTGCCAAATACCAGGAGATCCCCTCTATCACATTGGAGTGGCAGCCAGAAGG	2387																
Qy	2228	ACTTGCACTGCACCTCACCTGGAGCGTGTCAAGCCCCAGCACTAGTGACCTGGCCTGCA	2287																
Db	2388	CCCTCCACTGCACCTCACCTGGAGAGGCCAGCTGGCCTCCACAGAGCTCACCTGCA	2447																
Qy	2288	AGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGAGCTTCAGCATCAACTCAACATCA	2347																
Db	2448	AGATCTGCGTGCAGTGGAGGGAGGGCAGATATTCCAGCTGCATACCAACTCTGG	2507																
Qy	2348	CCAAG---GACACAAGGTTGCTGAGCTGGCTCTGGAGAGTGAAGCGGGGTCCAG	2404																
Db	2508	CAGAGACACCTGCTGGCTCCCTGGACACTCTGCTCTGCCCTGGCAGCACTGTCACCA	2567																
Qy	2405	CCCTGGTGGCCCCAGTGCCTCAAGATCCCCTCATTGGCAGAAGATAATTCCA	2464																
Db	2568	CCCAGCTGGACCTTATGCCTCAAGATCCCAGTGTCCATCCGCCAGAAGATATGCAACA	2627																
Qy	2465	GCCTGGACCCACCCGTAGGCAGGGTGCCGACTGGCGACTCTGGCCCAGAAACTCCACC	2524																

RESULT 14

US-10-218-779-1

; Sequence 1, Application US/10218779
; Publication No. US20040029222A1
; GENERAL INFORMATION:
; APPLICANT: Edinger, Shlomit
; APPLICANT: MacDougall, John
; APPLICANT: Millet, Isabelle
; APPLICANT: Ellerman, Karen
; APPLICANT: Stone, David
; APPLICANT: Gerlach, Valerie
; APPLICANT: Grosse, William
; APPLICANT: Alsobrook II, John
; APPLICANT: Lepley, Denise
; APPLICANT: Rieger, Daniel
; APPLICANT: Burgess, Catherine
; APPLICANT: Casman, Stacie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Boldog, Ferenc
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Mishra, Vishnu
; APPLICANT: Patturajan, Meera
; APPLICANT: Shenoy, Suresh
; APPLICANT: Rastelli, Luca
; APPLICANT: Tchernev, Velizar
; APPLICANT: Vernet, Corine
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Malyankar, Uriel
; APPLICANT: Guo, Xiaojia
; APPLICANT: Miller, Charles .
; APPLICANT: Gangolli, Esha
; TITLE OF INVENTION: Proteins and N
; FILE REFERENCE: 21402-214
; CURRENT APPLICATION NUMBER: US/10/
; CURRENT FILING DATE: 2002-08-14
; PRIOR APPLICATION NUMBER: 60/253,8
; PRIOR FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: 60/250,-
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: 60/264,1
; PRIOR FILING DATE: 2001-01-25

; PRIOR APPLICATION NUMBER: 60/313,656
; PRIOR FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: 60/327,456
; PRIOR FILING DATE: 2001-10-05
; NUMBER OF SEQ ID NOS: 216
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 2860
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-218-779-1

Db	1608	TCGGTTCCCAGCAGCTCTTGGGCCTGCCCGAGACCCAGGGAGCAGCGTCAGCGCACCT	1667
Qy	1508	TCAACTTCTCGGGGCCGGCTGATGATCCCTAATACAGGTATCAGCCTCCTCATCCCC	1567
Db	1668	TTGGCTGCCTGGTGGAGGCTCAGCATCCCCGGCACAGGGGTAGCTTGCTGGTGCCA	1727
Qy	1568	CAGATGCCATACCCCGAGGGAAGATCTATGAGATCTACCTCACGCTGCACAAGCCGGAAG	1627
Db	1728	ATGGAGCCATTCCCCAGGGCAAGTTCTACGAGATGTATCTACTCATCAACAAGGCAGAAA	1787
Qy	1628	ACGTGAGGTTGCCCTAGCTGGCTGTCAAGACCCCTGCTGAGTCCATCGTTAGCTGTGGAC	1687
Db	1788	GTACCCCTGCCGCTTCAGAAGGGACCCAGACAGTATTGAGCCCCCGGTGACCTGTGGAC	1847
Qy	1688	CCCCTGGCGTCTGCTCACCCGCCAGTCATCCTGGCTATGGACCCTGTGGGAGGCCA	1747
Db	1848	CCACAGGCCTCCTGCTGTGCCGCCCCGTCATCCTCACCATGCCCACTGTGCCGAAGTCA	1907
Qy	1748	GCCCTGACAGCTGGAGCCTGCCCTCAAAAAGCAGTCGTGCGAGGGCAGCTGGGAGGATG	1807
Db	1908	GTGCCCGTGACTIONCTTCAGCTCAAGACCCAGGCCACCAGGGCCACTGGGAGGAGG	1967
Qy	1808	TGCTGCACCTGGCGAGGAGGCCCTCCACCTCTACTACTGCCAGCTGGAGGCCAGTG	1867
Db	1968	TGGTGACCCCTGGATGAGGAGACCCCTGAACACACCCCTGCTACTGCCAGCTGGAGGCCAGGG	2027
Qy	1868	CCTGCTACGTCTTCACCGAGCAGCTGGCCGCTTGGCCCTGGTGGAGAGGCCCTCAGCG	1927
Db	2028	CCTGTCACATCCTGCTGGACCAGCTGGCACCTACGTGTTCACGGCGAGTCCTATTCCC	2087
Qy	1928	TGGCTGCCCAAGGCCCTCAAGCTGCTTGTGCGCCGGTGGCTGCACCTCCCTCG	1987
Db	2088	GCTCAGCAGTCAGGGCTCCAGCTGGCGTCTCGCCCCCGCCCTTCGACACCTCCCTGG	2147
Qy	1988	AGTACAACATCCGGGTCTACTGCCATGACACCCACGATGCACTCAAGGAGGTGGTGC	2047
Db	2148	AGTACAGCCTCCGGGTCTACTGCCATGGAGGACACGCCGTAGCACTGAAGGAGGTGCTGG	2207
Qy	2048	AGCTGGAGAAGCAGCTGGGGGACAGCTGATCCAGGAGCCACGGGTCTGCACCTCAAGG	2107
Db	2208	AGCTGGAGGGACTCTGGCGGATACTTGGTGGAGGAGGCCAAACGCTAACATTGTTCAAGG	2267
Qy	2108	ACAGTTACCAACCTGCGCTATCCATCCACGATGTGCCAGCTCCCTGTGGAAGAGTA	2167
Db	2268	ACAGTTACCAACCTGCGCTCTCCCTCATGACCTCCCCATGCCATTGGAGGAGCA	2327
Qy	2168	AGCTCCTTGTCACTACCAAGGAGATCCCCTTATCACATCTGGAATGGCACGCAGCGGT	2227
Db	2328	AGCTGCTGCCAAATACCAGGAGATCCCCTATCACATTGGAGTGGCACGCCAGAAGG	2387
Qy	2228	ACTTGCACCTCACCTGGAGCGTGTAGCCCCAGCACTAGTGACCTGGCTGCA	2287
Db	2388	CCCTCCACTGCACCTCACCTGGAGAGGCACAGCTGGCTCCACAGAGCTCACCTGCA	2447
Qy	2288	AGCTGTGGGTGTGGCAGGTGGAGGGCGACGGGCAGAGCTTCAGCATCAACTCAACATCA	2347
Db	2448	AGATCTCGGTGCGCAAGTGGAGGGAGGGCAGATATTCCAGCTGCATACCACTCTGG	2507

RESULT 15

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; Sequence 3, Application US/10218779
; Publication No. US20040029222A1
; GENERAL INFORMATION:
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; APPLICANT: Gangolli, Esha
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
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; LENGTH: 2860
; TYPE: DNA
; ORGANISM: Homo sapiens

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Db	588	CGGAGGGGGTGCCTGTGGCCAGGTGGAATGGCTAAGAATGAGGATGTCATCGACCCCCA	647
Qy	578	CCCTGGACCCCAATGTATACTACATCACGCCAGCAGCCTGGTGGCGACAGGCCGCC	637
Db	648	CCCAGGACACCAACTCCTGCTCACCATCGACCACAACCTCATCATCCGCCAGGCCGCC	707
Qy	638	TTGCTGACACGCCAACTACACCTGCGTGGCCAAGAACATCGTGGCACGTCGCCAGCG	697
Db	708	TGTCGGACACTGCCAACTATACTGCGTGGCCAAGAACATCGTGGCCAAAGGCCGGAGCA	767
Qy	698	CCTCCGCTGCTGTACGTACGTGAACGGTGGTGGTCACGTGGACCGAGTGGTCG	757
Db	768	CCACTGCCACCGTCATCGTACGTGAATGGCGCTGGTCCAGCTGGGCAGAGTGGTCAC	827
Qy	758	TCTGCAGGCCAGCTGTGGCGCGCTGGCAGAACGGAGCCGGAGCTGCACCAACCCGG	817
Db	828	CCTGCTCCAACCGCTGTGGCGAGGCTGGCAGAACGCACCCGGACCTGCACCAACCCGG	887
Qy	818	CGCCTCTCAACGGGGCGCTTCTGTGAGGGGAGAACATGTCAGAAAACAGCCTGCCA	877
Db	888	CTCCACTCAACGGAGGGCCTCTGCGAGGGCAGGCATTCCAGAAGACGCCCTGCACCA	947
Qy	878	CCCTGTGCCAGTAGACGGCAGCTGGAGCCGTGGAGAGCAAGTGGTCGCCCTGTGGCTGG	937
Db	948	CCATCTGCCAGTCGATGGGGCGTGGACGGAGTGGAGAGCAAGTGGTCAGCCTGCAGCACTG	1007
Qy	938	ACTGCACCCACTGGCGAGCCGTGAGTGTCTGACCCAGCACCCGCAACGGAGGGGAGG	997
Db	1008	AGTGTGCCCACTGGCGTAGCCCGAGTGCATGGGCCACCCAGAACGGAGGCCGTG	1067
Qy	998	AGTGCCAGGGCACTGACCTGGACACCCGCAACTGTACCGTACAGTGGTCACACAGTG	1057
Db	1068	ACTGCAGCGGACGCTGCTGACTCTAAGAACTGCACAGATGGCTGTGCATGCAACTGG	1127
Qy	1058	CTTCTGCCCTGAGGACGTGGCCCTCATGTGGCCCTATGCCGTGGCGTCTGCCTGG	1117
Db	1128	AGGCCTCAGGGGATGCGCGCTGTATGCCGGCTCGTGGTGGCCATCTCGTGGTCGTGG	1187
Qy	1118	TCCTGCTGCTGCTTGTCTCATCCTCGTTATTGCCGGAAGAAGGAGGGCTGGACTCAG	1177
Db	1188	CAATCCTCATGGCGGTGGGGTGGTGGTGTACCGCCGCAACTGCCGTGACTTCGACACAG	1247
Qy	1178	ATGTGGCTGACTCGTCATT---CTCACCTCAGGCTTCCAGCCGTACGCATCAAGCCCA	1234
Db	1248	ACATCACTGACTCATCTGCTGCCCTGACTGGTGGTTCCACCCCGTCAACTTAAGACGG	1307
Qy	1235	GCAAAGCAGACAACCCCATCTGCT-----CACCATCCAGCCGGACCTCAGCACCA	1288
Db	1308	CAAGGCCAGTAACCCGCACTCCTACACCCCTGTGCTCCGTACACTGACAGCCAGCG	1367
Qy	1289	CCACCACTACCAGGGCAGTCTCTGTCCCCGGCAGGA-----	1325
Db	1368	CCGGCATCTACCGCGGACCGTGTATGCCCTGCAAGGACTCCACCGACAAAATCCCCATGA	1427
Qy	1326	-----TGGGCCAGCCCCAAGTTCCAGCTCACCA-----	1354
Db	1428	CCAACTCTCTGCTGGACCCCTTACCCAGCCTAACGGTCAAGGTCTACAGCTCCAGCA	1487

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